



Standard Power Supplies

From The World's No.1 Power Supply Company

March 2014

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Company Profile

Delta Electronics Group

World's No.1* Power Supply Company

Delta Electronics Group is the world's largest provider of switching power supplies and a major source for power management and renewable energy solutions. Established in 1971, Delta has sales offices and R&D facilities worldwide with manufacturing plants located in Taiwan, Thailand, China, Mexico, India and Europe.

As a global leader in power electronics, Delta has long been adopting Green manufacturing processes, recycling initiatives, waste management programs and environmentally-friendly green buildings. In 2012, Delta was selected for two prestigious Dow Jones Sustainability Indices — the DJSI World Index and the DJSI Asia/ Pacific Index—for the second consecutive year. Delta was also ranked first among the 29 leading companies in the Electronic Equipment sector. Since 2010, Delta has received 47 internationally recognized technology and design awards.

1 Standard Power Supplies



Since 2008, Delta had also successfully launched its own brand of standard power supplies with many new products introduced quarterly since. These products which include DIN Rail, Panel Mount and Open Frame types offer customers the same world class technology and quality that Delta's ODM partners are familiar with. Please visit our standard product homepage at www.DeltaPSU.com.

2 Customized Power Supplies



Many top tier electronics companies on the Fortune® 500 list has long regarded Delta as a trusted ODM partner. These companies expect nothing less than the best technology, quality and reliability. With decades of industrial leading manufacturing and design experiences in ODM power management products, Delta can cater to specific customer needs in nearly all industrial applications including ATM, POS and many other industrial solutions. Please do not hesitate to contact your local Delta Electronics distributor or simply send your query to info@deltapsu.com.

*Based on global sales revenue from the Micro-Tech Consultants March 2013 report

Selection Guide

Delta Standard Power Supplies

New products are frequently introduced. Please visit www.DeltaPSU.com for latest product updates.

Product Type	Series	Model Name	Phase			PFC	Output Voltage	Output Current				
			1	2	3				10W	15W	30W	48W
DIN Rail Power Supply	CliQ	DRP012V015W1A□	●				12V	1.25A		●		
		DRP012V030W1A□	●					2.50A			●	
		DRP012V060W1AA	●					5.00A				
		DRP012V100W1AA	●					8.33A				
		DRP-24V48W1AZ	●				24V	2.00A				●
		DRP024V060W1AZ	●					2.50A				
		DRP024V060W1AA	●					2.50A				
		DRP024V120W1AA	●			●		5.00A				
		DRP024V240W1AA	●			●		10.0A				
		DRP024V480W1AA	●			●		20.0A				
	CliQ II	DRP024V060W1B□	●				24V	2.50A				
		DRP024V120W1B□	●					5.00A				
		DRP024V240W1B□	●			●		10.0A				
		DRP024V480W1B□	●			●		20.0A				
		DRP024V060W1N□	●					2.50A				
		DRP-24V100W1NN	●			●		3.80A				
		DRP-24V120W2BN		●				5.00A				
		DRP024V060W3B□		●	●			2.50A				
		DRP024V120W3B□		●	●			5.00A				
		DRP024V240W3B□		●	●			10.0A				
		DRP024V480W3B□		●	●	●		20.0A				
		DRP024V960W3BN		●	●	●		40.0A				
		DRP048V060W1B□	●				48V	1.25A				
		DRP048V120W1B□	●			●		2.50A				
		DRP048V240W1B□	●			●		5.00A				
		DRP048V480W1B□	●			●		10.0A				
	Chrome	DRC-12V30W1AZ	●				12V	2.10A			25.2W	
		DRC-12V60W1AZ	●					4.50A				
		DRC-24V10W1AZ	●				24V	0.42A	●			
		DRC-24V30W1AZ	●					1.25A			●	
		DRC-24V60W1AZ	●					2.50A				
		DRC-24V100W1AZ	●					3.80A				

CliQ and CliQ II DIN Rail Power Supply Model Numbering

DR	P	XXXV	XXXW	□	□	□
DIN Rail	Product Type P - Power Supply	Output Voltage	Output Power	Phase Input 1 - Single Phase 3 - Three Phase	A - CliQ Series B - CliQ II Series N - NEC Class 2	A - Metal Case, with Class I, Div 2 N - Metal Case, without Class I, Div 2 Y - Plastic Case, with Class I, Div 2 Z - Plastic Case, without Class I, Div 2

Output Power						Input Voltage Range	Safety Standards	Page
60W	100W	120W	240W	480W	960W			
						85-264Vac (DC input range 120-375Vdc)*		12-13
						85-264Vac (DC input range 120-375Vdc)*		14-15
						85-264Vac (DC input range 120-375Vdc)*		16-17
						85-264Vac (DC input range 120-375Vdc)*		18-19
						2 x 180-550Vac (DC input range 254-750Vdc)*		20-21
						3 x 320-600Vac or 2 x 360-600Vac (DC input range 450-800Vdc)* For 960W: 3 x 320-600Vac or 2 x 380-600Vac (DC input range 450-800Vdc)*		22-23
						85-264Vac (DC input range 120-375Vdc)*		24-25
						90-264Vac (DC input range 125-375Vdc)*		26-27
						90-264Vac (DC input range 125-375Vdc)*		26-27

*DC input is certified for selected models.

Chrome DIN Rail Power Supply Model Numbering

DR	C –	XXV	XXW	1	A	Z
DIN Rail	Product Type C - Isolation Class II Power Supply	Output Voltage	Output Power	Phase Input 1 - Single Phase	No PFC	Delta Standard

Selection Guide

Delta Standard Power Supplies

New products are frequently introduced. Please visit www.DeltaPSU.com for latest product updates.

Product Type	Series	Model Name	Output Voltage	Output Current	
Redundancy Modules	CliQ II	DRR-20□	22-60V	20.0A	(1+1 Redundancy) = Nominal 2
		DRR-40□		40.0A	(1+1 Redundancy) = Nominal 2
DC-UPS Module		DRU-24V40ABN	24V	40.0A	Charging Mode: 2.0A ± 0.5A
Buffer Module		DRB-24V020AB□	24V	20.0A	Charging Mode: < 0.6A
		DRB-24V040ABN		40.0A	Charging Mode: < 0.6A

Product Type	Series	Model Name	Phase		PFC	Output Voltage	Output Current				
			1	3				15W	35W	50W	60W
Panel Mount Power Supply	PMC	PMC-05V015W1AA	●			5V	3.00A	●			
		PMC-05V035W1AA	●				7.00A		●		
		PMC-05V050W1AA	●				10.0A			●	
		PMC-12V035W1AA	●			12V	3.00A		●		
		PMC-12V050W1AA	●				4.17A			●	
		PMC-12V060W1NA	●				5.00A				●
		PMC-12V100W1AA	●				8.33A				
		PMC-12V150W1B□	●		●		12.5A				
		PMC-24V035W1A□	●			24V	1.46A		●		
		PMC-24V050W1A□	●				2.10A			●	
		PMC-24V075W1A□	●				3.12A				
		PMC-24V100W1A□	●				4.17A				
		PMC-24V150W1A□	●				6.25A				
		PMC-24V150W2AA	●				6.25A				
		PMC-24V150W1B□	●		●		6.25A				
		PMC-24V300W1BA	●		●		12.5A				
		PMC-24V600W1BA	●		●		25.0A				
		PMC-DSPV100W1A	●			24V / 5V	4.00A / 7.00A				
		PMC-48V150W1B□	●		●	48V	3.125A				
	PMH	PMH-24V50WCAA	●			24V	2.10A			●	
	- Aluminium casing - Universal AC input voltage										
	Household and ITE safety approvals										

Redundancy Modules Model Numbering

DR	R –	XX	□
DIN Rail	Product Type R - Redundancy Module	Output Current 20 - 20A 40 - 40A	A - Metal Case, with Class I, Div 2 N - Metal Case, without Class I, Div 2

DC-UPS and Buffer Modules Model Numbering

DR	□ –	24V	XXXA	B	□
DIN Rail	Product Type U - DC-UPS Module B - Buffer Module	Output Voltage	Output Current	CliQ II Series	A - Metal Case, with Class I, Div 2 N - Metal Case, without Class I, Div 2

Input Current		Input Voltage Range	Safety Standards	Page
x 12.5A	(N+1 Redundancy) = Nominal 2 x 10A	22-60Vdc	CE SI CULUS CULUS SPS Max 1000V d.c. 10 Ex PC	28-29
x 25A	(N+1 Redundancy) = Nominal 2 x 20A		CE SI CULUS CULUS SPS Max 1000V d.c. 10 Ex PC	
	Discharging Mode: < 40A	24-28Vdc	CE SI CULUS SPS	30-31
	Discharging Mode: < 20A	22.8-28.8Vdc	CE SI CULUS SPS SPS Max 1000V d.c. 10 Ex	
	Discharging Mode: < 40A		CE SI CULUS SPS	

Output Power								Input Voltage Range	Safety Standards	Page
75W	100W	150W	200W	240W	300W	320W	600W			
								85-264Vac (DC input range 125-375Vdc)*	CE SI CULUS	34-35
									CE SI CULUS PC	
									CE SI CULUS	
								85-264Vac (DC input range 125-375Vdc)*	CE A CULUS PC	36-37
									CE A CULUS PC	
									CE A CULUS	
									CE A CULUS PC	
									CE SI CULUS	
								85-264Vac (DC input range 125-375Vdc)*	CE N CULUS PC	38-39
									CE N CULUS PC	
									CE A CULUS	
									CE N CULUS PC	
									CE A CULUS PC	
								180-264Vac (DC input range 220-375Vdc)*	CE A CULUS	40-41
									CE SI CULUS	
								85-264Vac (DC input range 125-375Vdc)*	CE SI CULUS	
									CE SI CULUS	
								85-264Vac (DC input range 120-370Vdc)*	CE SI CULUS	
									CE A CULUS PC	
								85-264Vac (DC input range 125-375Vdc)*	CE SI CULUS	42-43
								85-264Vac (DC input range 125-375Vdc)*	CE SI CULUS	

*DC input is certified for selected models.

PMC Panel Mount Power Supply Model Numbering

PM	C –	XXV	XXXW			
Panel Mount	Product Type C - Enclosed	Output Voltage	Output Power	Phase Input 1 - Single Phase, Wide Range Input Voltage 2 - Single Phase, High Line Input Voltage	A - No PFC B - With PFC N - NEC Class 2	Connector Type A - Terminal Block J - IP20 Connector ¹⁾ L - Front Face ²⁾

1) Options

2) Options for 150W with PFC

PM	C –	D	SPV	100W	1	A
Panel Mount	Product Type C - Enclosed	Dual Output	Output Voltage S - 24V P - 5V	Output Power	Phase Input Single Phase	Delta Standard

PMH Panel Mount Power Supply Model Numbering

PM	H –	XXV	XXW	C	A	A
Panel Mount	Product Series H - Household Series	Output Voltage	Output Power	Package Type C - Enclosed	No PFC	Connector Type A - Terminal Block

Selection Guide

Delta Standard Power Supplies

New products are frequently introduced. Please visit www.DeltaPSU.com for latest product updates.

Product Type	Series	Model Name	Phase		PFC	Output Voltage	Output Current			
			1	3				35W	50W	100W
Panel Mount Power Supply	PMF	PMF-5V320WC□□	●		●	5V	55.0A			
		PMF-24V200WC□□	●		●	24V	8.40A			
		PMF-24V240WC□□	●		●		10.0A			
		PMF-24V320WC□□	●		●		13.3A			
	PMR	PMR-4V320WD□□	●		●	4.2V	60.0A			
		PMR-5V320WD□□	●		●	5V	60.0A			
		PMR-5V320WC□□	●		●		60.0A			
	PMT	PMT-4V350W1A□	●			4.2V	60.0A			
		PMT-5V35W1A□	●			5V	7.00A	●		
		PMT-5V50W1A□	●				10.0A		●	
		PMT-5V350W1A□	●				60.0A			
		PM□-12V35W1A□	●			12V	2.92A	●		
		PM□-12V50W1A□	●				4.20A		●	
		PM□-12V100W1A□	●				8.50A			●
		PM□-12V150W1A□	●				12.5A			
		PM□-24V35W1A□	●			24V	1.46A	●		
		PM□-24V50W1A□	●				2.09A		●	
		PM□-24V100W1A□	●				4.50A			●
		PM□-24V150W1A□	●				6.50A			
		PM□-24V200W1A□	●				8.80A			
		PMT-24V350W1AG	●				14.6A			
		PMT-24V350W1AK	●				14.6A			
		PMT-48V150W1A□	●			48V	3.30A			
		PM□-D1V100W1A□	●			12V / 5V	7.00A / 3.00A			●
		PM□-D2V100W1A□	●			24V / 5V	3.50A / 3.00A			●

PMF Panel Mount Power Supply Model Numbering

PM	F –	XXV	XXXW	C	□	□
Panel Mount	Product Series F - PFC Series	Output Voltage	Output Power	Package Type C - Enclosed	Connector Type G - Front Face A - Terminal Block ¹⁾	Variable B - No Remote ON/OFF R - With Remote ON/OFF ¹⁾

1) Options

PMR Panel Mount Power Supply Model Numbering

PM	R –	XXV	XXXW	□	□	□
Panel Mount	Product Series R - Standard Rack Type Series (1U)	Output Voltage	Output Power	Package Type C - Enclosed with Fan D - Enclosed without Fan	Connector Type A - Terminal Block G - Front Face	Variable A - Coating and Built-in VR

Output Power					Input Voltage Range	Safety Standards	Page
150W	200W	240W	320W	350W			
			275W		85-264Vac	CE   	44-45
	●					CE   	
		●				CE   	
			●			CE   	
			252W		88-264Vac	CE   	46-47
			300W			CE   	
			300W			CE   	
				252W	90-132Vac, 180-264Vac (Selectable by Switch)	 	48-49
					90-264Vac	CE   	
						CE   	
				300W	90-132Vac, 180-264Vac (Selectable by Switch)	 	
					90-264Vac	CE   	50-51
						CE   	
					90-132Vac, 180-264Vac (Selectable by Switch)	CE   	
●						CE   	
					90-264Vac	CE   	52-53
						CE   	
					90-132Vac, 180-264Vac (Selectable by Switch)	CE   	
●						CE   	
	●				90-132Vac, 180-264Vac (Selectable by Switch)	 	54-55
			●			 	
			●			CE   	
●					90-132Vac, 180-264Vac (Selectable by Switch)	CE   	56-57
					85-132Vac, 170-264Vac (Selectable by Switch)	CE   	
						CE   	

PMT Panel Mount Power Supply Model Numbering

							CC Code
PM	□ –	XXV	XXXW	1	A	□	□
Panel Mount	Product Type T - Enclosed L - L Frame ²⁾ B - Open Frame ³⁾	Output Voltage	Output Power	Phase Input Single Phase	No PFC	Connector Type <u>With UL, TUV, CE, CCC</u> A - Terminal Block G - Front Face ¹⁾ H - Harness ¹⁾ <u>With UL, TUV, CE</u> K - Front Face <u>With UL</u> M - Terminal Block N - Front Face G - Front Face ⁴⁾	Blank - Without connector cover A - With connector cover

1) Options (Harness connector is not available for 5V/50W model)

2) Options for 35W-200W

3) Options for 35W and 50W (except for 5V/35W and 5V/50W models)

4) For PMT-4V350W1AG, PMT-5V350W1AG and PMT-24V350W1AG

							CC Code
PM	□ –	XXV	XXXW	1	A	□	□
Panel Mount	Product Type T - Enclosed L - L Frame	Output Voltage Dual Output D1 - 12V / 5V D2 - 24V / 5V	Output Power	Phase Input Single Phase	No PFC	Connector Type A - Terminal Block G - Front Face H - Harness	Blank - Without connector cover A - With connector cover

Selection Guide

Delta Standard Power Supplies

New products are frequently introduced. Please visit www.DeltaPSU.com for latest product updates.

Product Type	Series	Model Name	Phase		PFC	Output Voltage	Output Current		
			1	3				15W	30W
Open Frame Power Supply	PJ - Built-in PFC - Versatile configurations - Conformal coating	PJ-12V15W□NA	●			12V	1.30A	●	
		PJ-12V30W□NA	●				2.50A		●
		PJ-12V50W□NA	●		●		4.30A		
		PJ-12V100W□□A	●		●		8.50A		
		PJ-12V150W□□A	●		●		12.5A		
		PJ-24V30W□NA	●			24V	1.25A		●
		PJ-24V50W□NA	●		●		2.10A		
		PJ-24V100W□□A	●		●		4.30A		
		PJ-24V150W□□A	●		●		6.30A		
		PJ-5V15W□NA	●			5V	3.00A	●	
		PJ-48V50W□NA	●		●	48V	1.10A		
	PJB - Built-in PFC / Power Boost - Conformal coating	PJB-24V100W□□A	●		●	24V	4.30A		
		PJB-24V150W□□A	●		●		6.30A		
	PJT - Built-in PFC - Small footprint	PJT-12V40WBAA	●			12V	3.33A		
		PJT-12V65WBAA	●				5.00A		
		PJT-12V100WBAA	●				8.33A		
		PJT-12V100WBBA	●				6.67A (Convection) 8.33A (Forced Cooling)		
		PJT-15V40WBAA	●			15V	2.67A		
		PJT-15V65WBAA	●				4.20A		
		PJT-15V100WBAA	●				6.67A		
		PJT-15V100WBBA	●				5.30A (Convection) 6.70A (Forced Cooling)		
		PJT-18V40WBAA	●			18V	2.22A		
		PJT-18V65WBAA	●				3.61A		
		PJT-18V100WBAA	●				5.55A		
		PJT-18V100WBBA	●				4.40A (Convection) 5.50A (Forced Cooling)		
		PJT-19V400WUAB	●			19V	15.8A (Convection) 21.1A (Forced Cooling)		
		PJT-24V40WBAA	●			24V	1.66A		
		PJT-24V65WBAA	●				2.71A		
		PJT-24V100WBAA	●				4.17A		
		PJT-24V100WBBA	●				3.30A (Convection) 4.20A (Forced Cooling)		
		PJT-24V400WUAB	●				12.5A (Convection) 16.7A (Forced Cooling)		

PJ Open Frame Power Supply Model Numbering

PJ –	XXV	XXW	□	□	A
Open Frame	Output Voltage	Output Power	Product Type C - Enclosed L - L Frame ¹⁾ B - Open Frame ¹⁾	Remote ON/OFF Function N - No Remote ON/OFF R - With Remote ON/OFF ²⁾	Delta Standard

1) Options

2) Options for 100W and above

Output Power						Input Voltage Range	Safety Standards	Page
40W	50W	65W	100W	150W	400W			
						85-264Vac	CE  	60-62
							CE  	
	●						CE  	
			●				CE  	
				●			CE  	
						85-264Vac	CE  	63-65
	●						CE  	
			●				CE  	
				●			CE  	
						85-264Vac	CE  	66-67
	●						CE  	
			●			85-264Vac	CE  	68-69
				●			CE  	
●						90-264Vac	CE  	70-71
		60W					CE  	
			●				CE  	
			●				CE  	
●						90-264Vac	CE  	72-73
		●					CE  	
			●				CE  	
			●				CE  	
●						90-264Vac	CE  	74-75
		●					CE  	
			●				CE  	
			●				CE  	
					●		CE  	
●						90-264Vac	CE  	76-77
		●					CE  	
			●				CE  	
			●				CE  	
					●		CE  	

PJB Open Frame Power Supply Model Numbering

PJ	B –	XXV	XXXW	☐	☐	A
Open Frame	Product Series B - Power Boost Series	Output Voltage	Output Power	Package Type C - Enclosed L - L Frame ¹⁾ B - Open Frame ¹⁾	Remote ON/OFF Function N - No Remote ON/OFF R - With Remote ON/OFF ¹⁾	Delta Standard

1) Options

PJT Open Frame Power Supply Model Numbering

PJ	T –	XXV	XXXW	☐	☐	☐
Open Frame	Product Series T - ITE Application Series	Output Voltage	Output Power	Package Type B - Open Frame U - U Channel	Family Code A-B	Connector Type A - Harness B - Terminal Block

Standard Products

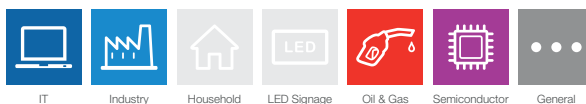
DIN Rail Power Supply & Modules

CliQ™



The CliQ DIN rail power supply series from one of the world's leading power supply companies, Delta Electronics Group, offers state-of-the-art designs made to withstand harsh industrial environments in accordance to ATEX requirements. The rugged metal or plastic case is both shock and vibration resistant according to IEC 60068-2. The CliQ single phase and three phase power supplies include overvoltage, overload and over temperature protections for the output. Using a wide input voltage range design, Delta's CliQ DIN rail power supply series is usable worldwide and features built-in Power Boost of 150% for 3 seconds. Such feature enables reserve power to be always available for reliable startup of loads with high inrush current thus eliminating the need of a more expensive power supply at higher power rating.

Typical Applications

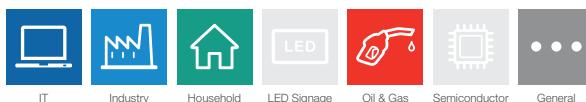


CliQ II



Delta's CliQ II DIN rail power supply series are made to withstand harsh industrial environments with its PCBAs applied with conformal coating. The rugged metal or plastic case is both shock and vibration resistant according to IEC 60068-2 and adhere to IP20 protection level with ATEX certification available as option. The CliQ II single phase and three phase power supplies also provide overvoltage, overload and over temperature protections for the output. Using a wide input voltage range design, Delta's CliQ II DIN rail power supply series is usable worldwide and features built-in Power Boost of 150% for 5 seconds. Such feature enables reserve power to be always available for reliable startup of loads with high inrush current without the need of a more expensive power supply at higher power rating.

Typical Applications

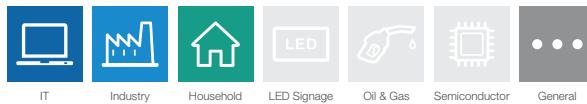


CHROME



The Chrome DIN rail power supply series is designed for use in compact cabinets which are widely adopted in home automations and the food and beverage industry. Current available specifications are with 12V and 24V output voltage for power ratings of 10W to 100W. Delta Chrome DIN rail power supply series offers double isolated input. This means that no earth connection is required thus resulting in low leakage current. The Chrome series features universal AC input range and is certified to safety standard according to IEC/EN/UL 60950-1 for Information Technology Equipment (ITE) and UL 508 for Industrial Control Equipment (ICE). The series is also fully compliant with RoHS Directive 2011/65/EU for environmental protection. NEC Class 2 and Limited Power Source (LPS) approvals are available for selected models.

Typical Applications

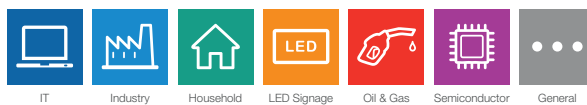


CLiQ^{II}



The DIN rail modules are designed to work seamlessly with Delta CLiQ family of power supplies to increase the operational reliability of the system it is connected with. These products include Buffer module, Redundancy module and DC-UPS which can be used in most applications that can accommodate DIN rail power supplies.

Typical Applications



All Delta power supplies and modules are fully compliant with RoHS Directive 2011/65/EU for environmental protection. For more information or enquiries, please do not hesitate to contact your local Delta Electronics distributor or visit www.DeltaPSU.com.

CliQ DIN Rail Power Supply

12V Output



HIGHLIGHTS & FEATURES

- Universal AC input voltage
- Power will not de-rate for the entire input voltage range
- Power Boost of 150% for 3 seconds
- Full corrosion resistant aluminium chassis for 12V/60W and 12V/100W
- Conforms to harmonic current IEC/EN 61000-3-2, Class A
- Multiple wire connections to terminals allowed
- Conformal coating on PCBAs to protect against chemical and dust pollutants
- Hazardous Locations approval to ATEX and Class I, Div 2

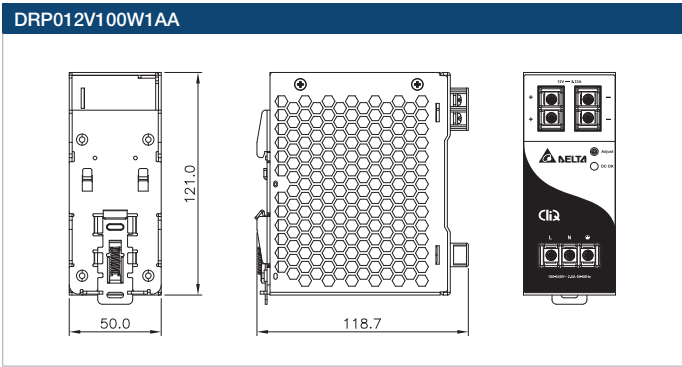
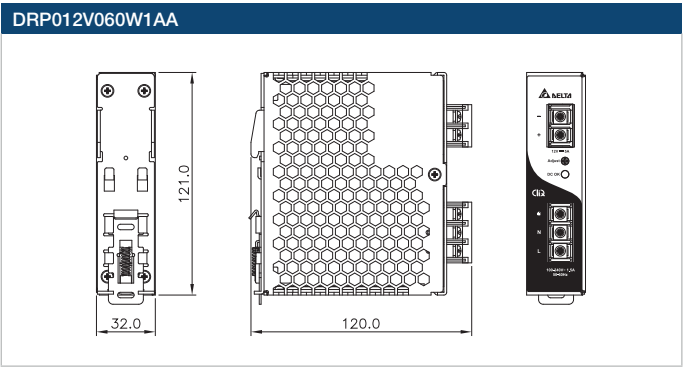
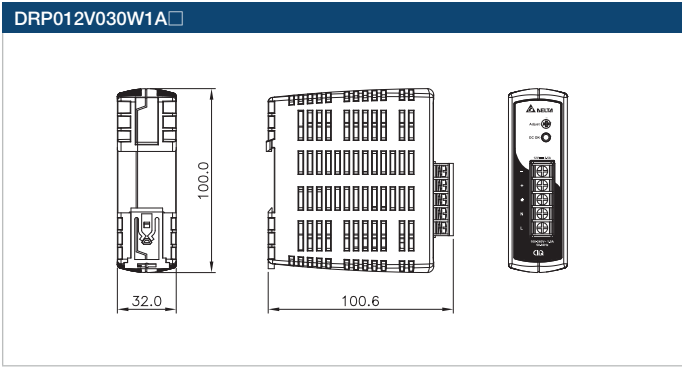
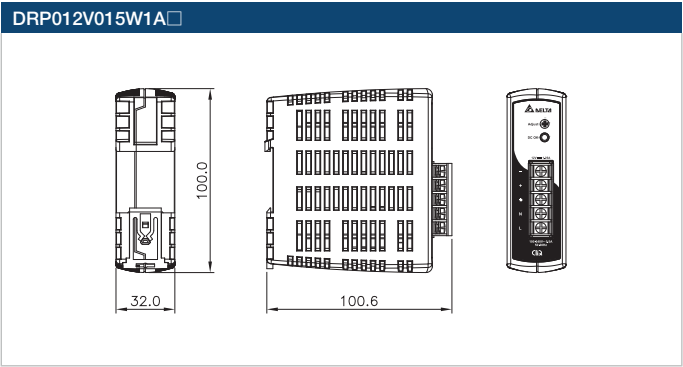
GENERAL SPECIFICATIONS

OUTPUT	DRP012V015W1A□	DRP012V030W1A□	DRP012V060W1AA	DRP012V100W1AA
Output Voltage	12V	12V	12V	12V
Output Voltage Range	11-14V	11-14V	11-14V	11-14V
Output Current	1.25A	2.50A	5.00A	8.33A
Output Power	15W	30W	60W	100W
Line Regulation	< 0.5% typ. (@ 85-264Vac input, 100% load)			
Load Regulation	< 1% typ. (@ 85-264Vac input, 0-100% load)			
PARD (20MHz)	< 100mVpp			
Hold-up Time	> 22ms @ 115Vac, > 110ms @ 230Vac			
INPUT				
Phase Input	Single Phase			
Input Voltage Range	85-264Vac (DC input range 120-375Vdc) ¹⁾			
Input Frequency	47-63Hz			
Input Current	< 0.37A @ 115Vac, < 0.22A @ 230Vac	< 0.70A @ 115Vac, < 0.42A @ 230Vac	< 1.35A @ 115Vac, < 0.80A @ 230Vac	< 2.50A @ 115Vac, < 1.50A @ 230Vac
Efficiency ²⁾ at 100% Load	> 84.0% @ 115Vac, > 83.0% @ 230Vac	> 85.0% @ 115Vac & 230Vac	> 86.0% @ 115Vac & 230Vac	> 85.5% @ 115Vac, > 87.5% @ 230Vac
Max Inrush Current (Cold Start)	< 30A @ 115Vac, < 65A @ 230Vac	< 40A @ 115Vac, < 80A @ 230Vac	< 50A @ 115Vac, < 100A @ 230Vac	< 100A @ 115Vac, No Damage @ 230Vac
Power Factor	Conform to EN 61000-3-2			
Leakage Current	< 1mA @ 240Vac			
MECHANICAL				
Case Cover	Plastic		Aluminium	
Dimensions (L x W x D)	100 x 32 x 100.6 mm	100 x 32 x 100.6 mm	121 x 32 x 120 mm	121 x 50 x 118.7 mm
Unit Weight	0.18 kg	0.20 kg	0.33 kg	0.64 kg
Cooling System	Convection			
Input Terminal	5 Pins (Rated 300V/15A)		3 Pins (Rated 300V/20A)	
Output Terminal	5 Pins (Rated 300V/15A)		2 Pins (Rated 300V/20A)	
Input / Output Wire	AWG 22-14	AWG 22-14	AWG 22-14	AWG 18-14
MTBF ³⁾	> 500,000 hrs	> 500,000 hrs	> 500,000 hrs	> 500,000 hrs
ENVIRONMENT				
Operating Temperature	-20°C to +80°C			
Storage Temperature	-25°C to +85°C			
Power De-rating	> 50°C (2.5% / °C); > 70°C (4% / °C)			
Operating Humidity	5 to 95% RH (Non-Condensing)			
Operating Altitude	0 to 2,000m			

Notes

- 1) All models are certified for DC Input.
- 2) At 25°C ambient temperature by vertical mounting orientation.
- 3) MTBF as per Telcordia SR-332 (Confidence level: 90%, I/P: 115Vac, O/P: 100% load) for vertical mounting orientation.
- 4) All parameters are specified at 25°C ambient temperature unless otherwise indicated.

MECHANICAL DRAWINGS



*Units in mm

DIN Rail Power Supply

DIN Rail Modules

Panel Mount Power Supply

Open Frame Power Supply

CliQ DIN Rail Power Supply

24V Output



HIGHLIGHTS & FEATURES

- Universal AC input voltage
- Power will not de-rate for the entire input voltage range
- Power Boost of 150% for 3 seconds (480W: 200% for 2 seconds)
- Full corrosion resistant aluminium chassis
- SEMI F47 Certified for selected models
- Conforms to harmonic current IEC/EN 61000-3-2, Class A
- Conformal coating on PCBAs to protect against chemical and dust pollutants (except DRP-24V48W1AZ and DRP024V060W1AZ)
- Hazardous Locations approval to ATEX and Class I, Div 2 (except DRP-24V48W1AZ and DRP024V060W1AZ)

GENERAL SPECIFICATIONS

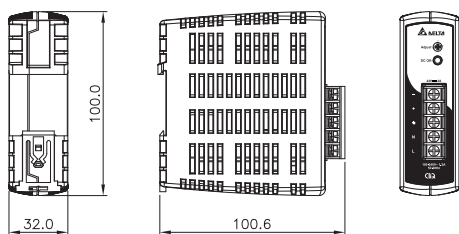
OUTPUT	DRP-24V48W1AZ	DRP024V060W1AZ	DRP024V060W1A□	DRP024V120W1A□	DRP024V240W1A□	DRP024V480W1A□
Output Voltage	24V	24V	24V	24V	24V	24V
Output Voltage Range	22-26V	22-28V	22-28V	22-28V	22-28V	22-28V
Output Current	2.00A	2.50A	2.50A	5.00A	10.0A	20.0A
Output Power	48W	60W	60W	120W	240W	480W
Line Regulation	< 0.5% typ. (@ 85-264Vac input, 100% load), <u>DRP-24V48W1AZ</u> : < 1% typ.					
Load Regulation	< 1% typ. (@ 85-264Vac input, 0-100% load)					
PARD (20MHz)	< 480mVpp	< 240mVpp				
Hold-up Time	> 10ms @ 115Vac, > 60ms @ 230Vac	> 20ms @ 115Vac, > 125ms @ 230Vac		> 35ms @ 115Vac, > 70ms @ 230Vac	> 20ms @ 115Vac & 230Vac	
INPUT						
Phase Input	Single Phase					
Input Voltage Range	85-264Vac (DC input range 120-375Vdc) ¹⁾					
Input Frequency	47-63Hz					
Input Current	< 1.40A @ 115Vac, < 0.70A @ 230Vac	< 1.10A @ 115Vac, < 0.70A @ 230Vac		< 1.40A @ 115Vac, < 0.80A @ 230Vac	< 2.90A @ 115Vac, < 1.50A @ 230Vac	< 5.70A @ 115Vac, < 2.80A @ 230Vac
Efficiency ²⁾ at 100% Load	> 87.0% @ 115Vac & 230Vac	> 86.0% @ 115Vac, > 87.0% @ 230Vac			> 89.0% @ 115Vac, > 91.0% @ 230Vac	> 85.0% @ 115Vac, > 88.0% @ 230Vac
Max Inrush Current (Cold Start)	< 28A @ 115Vac, < 56A @ 230Vac	< 40A @ 115Vac, < 80A @ 230Vac		< 80A @ 115Vac, < 150A @ 230Vac	< 40A @ 115Vac, < 100A @ 230Vac	< 50A @ 115Vac, < 150A @ 230Vac
Power Factor	Conform to EN 61000-3-2			> 0.98 @ 115Vac, > 0.87 @ 230Vac	> 0.96 @ 115Vac, > 0.90 @ 230Vac	> 0.97 @ 115Vac, > 0.95 @ 230Vac
Leakage Current	< 1mA @ 240Vac					< 1.25mA @ 240Vac
MECHANICAL						
Case Cover	Plastic		Aluminium			
Dimensions (L x W x D)	100 x 32 x 100.6 mm	120.6 x 32 x 113 mm	121 x 32 x 120 mm	121 x 50 x 118.7 mm	121 x 85 x 118.5 mm	121 x 160 x 118.5 mm
Unit Weight	0.22 kg	0.33 kg	0.37 kg	0.54 kg	1.04 kg	1.80 kg
Cooling System	Convection					
Input Terminal	5 Pins (Rated 300V/15A)	3 Pins (Rated 300V/20A)				
Output Terminal	5 Pins (Rated 300V/15A)	2 Pins (Rated 300V/20A)				4 Pins (Rated 300V/20A)
Input / Output Wire	AWG 22-14	AWG 22-14	AWG 22-14	AWG 22-14	AWG 22-14	I/P: AWG 16-14, O/P: AWG 12-10
MTBF ³⁾	> 500,000 hrs	> 500,000 hrs	> 500,000 hrs	> 500,000 hrs	> 300,000 hrs	> 300,000 hrs
ENVIRONMENT						
Operating Temperature	-20°C to +70°C	-20°C to +80°C				
Storage Temperature	-25°C to +85°C					
Power De-rating	< -10°C to -20°C (1% / °C); < 0°C to -10°C (2% / °C); > 50°C (2.5% / °C)	-20°C to -10°C: 80% Load; < 0°C (2% / °C); > 50°C (2.5% / °C)	< 0°C to -20°C (1% / °C); > 50°C (2.5% / °C)	> 50°C (2.5% / °C)	> 50°C (2.5% / °C); > 70°C (4% / °C)	> 50°C (2.5% / °C)
Operating Humidity	5 to 95% RH (Non-Condensing)					
Operating Altitude	0 to 2,000m					

Notes

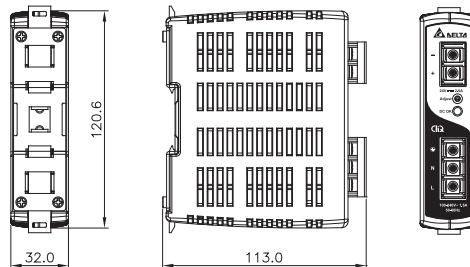
- 1) All models are certified for DC Input except DRP-24V48W1AZ which still fulfills the test conditions of this range.
- 2) At 25°C ambient temperature by vertical mounting orientation.
- 3) MTBF as per Telcordia SR-332 (Confidence level: 90%, I/P: 115Vac, O/P: 100% load) for vertical mounting orientation.
- 4) All parameters are specified at 25°C ambient temperature unless otherwise indicated.

MECHANICAL DRAWINGS

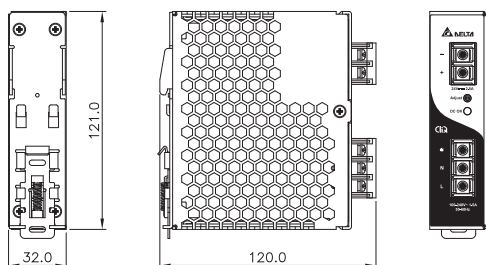
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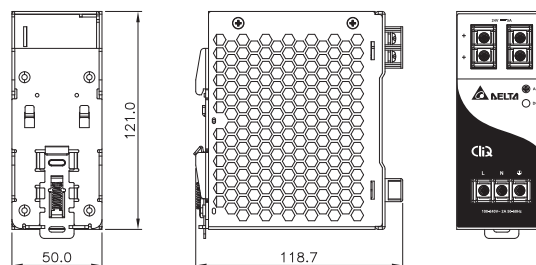
DRP024V060W1AZ



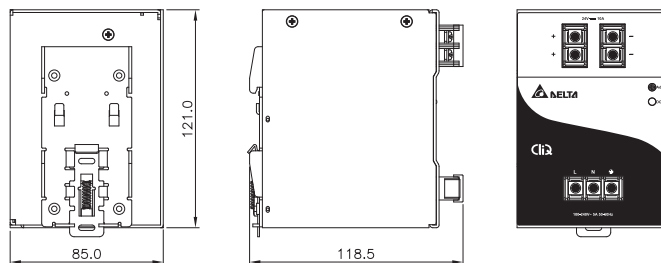
DRP024V060W1A□



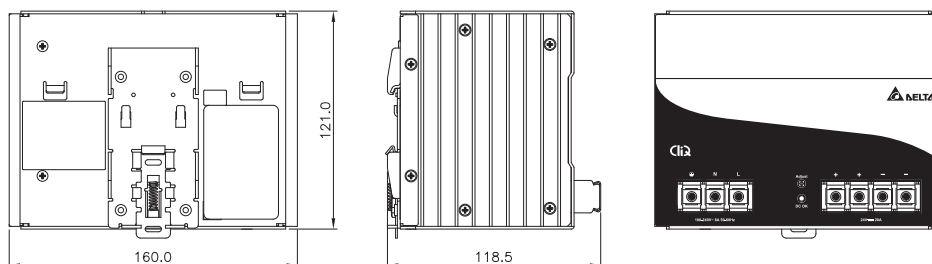
DRP024V120W1A□



DRP024V240W1A□



DRP024V480W1A□



*Units in mm

DIN Rail Power Supply

DIN Rail Modules

Panel Mount Power Supply

Open Frame Power Supply

CliQ II DIN Rail Power Supply

24V Output



HIGHLIGHTS & FEATURES

- Universal AC input voltage
- Power will not de-rate for the entire input voltage range
- High efficiency > 90.0% @ 230Vac
- Power Boost of 150% for 5 seconds (480W: 200% for 2 seconds)
- Full corrosion resistant aluminium chassis
- Conforms to harmonic current IEC/EN 61000-3-2, Class A
- Extreme low temperature cold start at -40°C
- Conformal coating on PCBAs to protect against chemical and dust pollutants
- Hazardous Locations approval to ATEX and Class I, Div 2

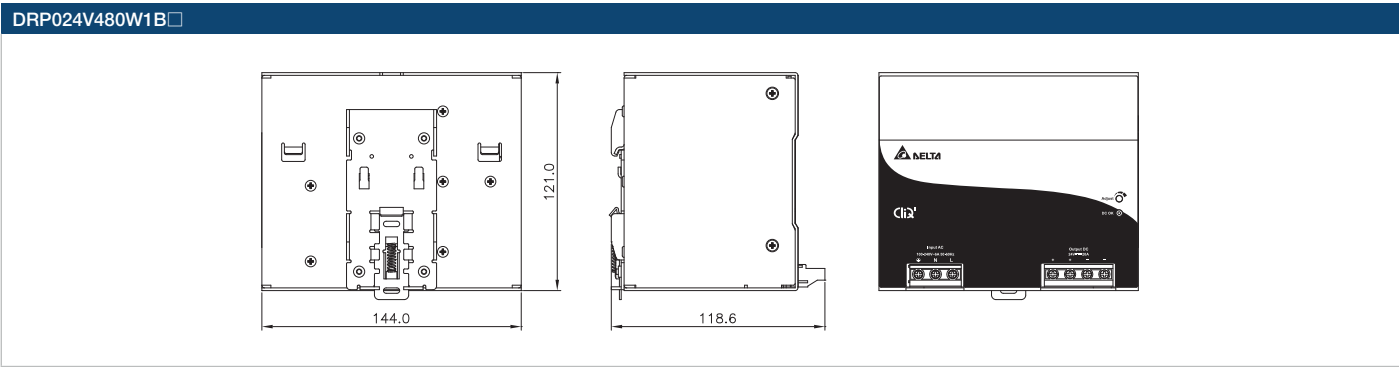
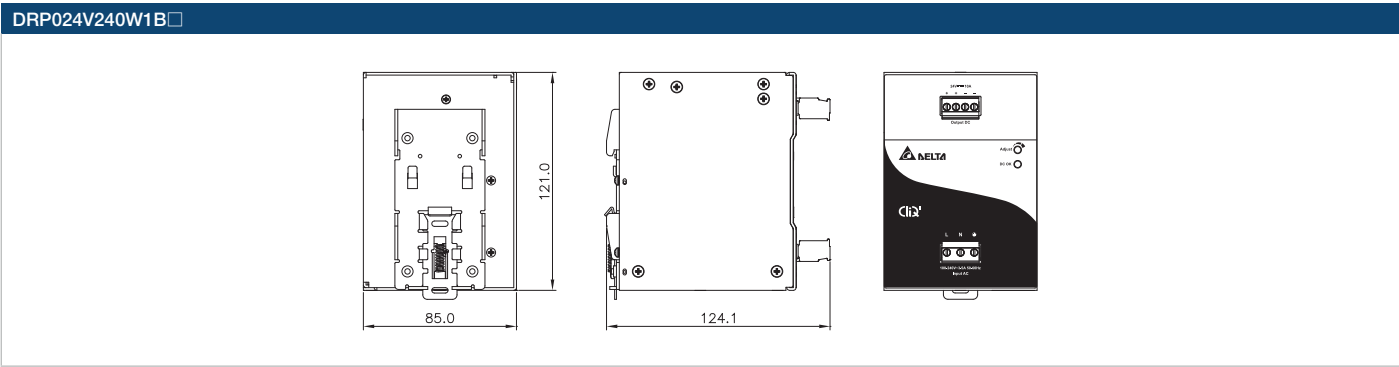
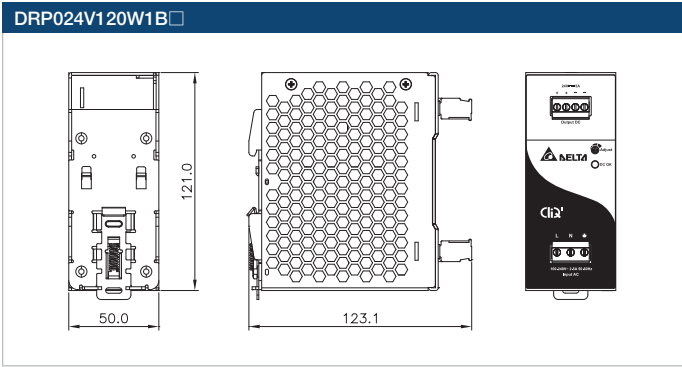
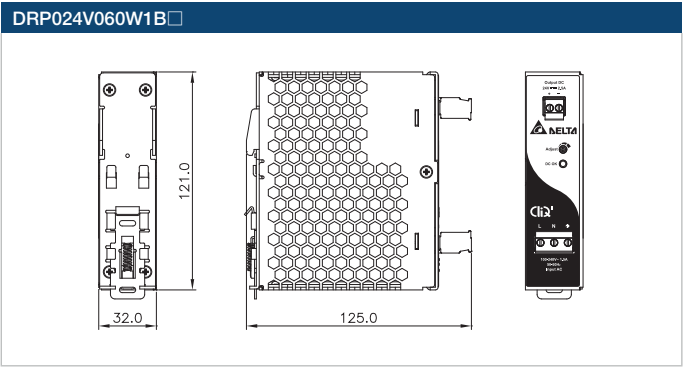
GENERAL SPECIFICATIONS

OUTPUT	DRP024V060W1B□	DRP024V120W1B□	DRP024V240W1B□	DRP024V480W1B□
Output Voltage	24V	24V	24V	24V
Output Voltage Range	24-28V	24-28V	24-28V	24-28V
Output Current	2.50A	5.00A	10.0A	20.0A
Output Power	60W	120W	240W	480W
Line Regulation	< 0.5% typ. (@ 85-264Vac input, 100% load)			
Load Regulation	< 1% typ. (@ 85-264Vac input, 0-100% load)			
PARD (20MHz)	< 150mVpp			
Hold-up Time	> 20ms @ 115Vac, > 125ms @ 230Vac	> 20ms @ 115Vac, > 115ms @ 230Vac	> 20ms @ 115Vac & 230Vac	
INPUT				
Phase Input	Single Phase			
Input Voltage Range	85-264Vac (DC input range 120-375Vdc) ¹⁾			
Input Frequency	47-63Hz			
Input Current	< 1.40A @ 115Vac, < 0.80A @ 230Vac	< 2.20A @ 115Vac, < 1.10A @ 230Vac	< 2.50A @ 115Vac, < 1.30A @ 230Vac	< 5.00A @ 115Vac, < 3.00A @ 230Vac
Efficiency ²⁾ at 100% Load	> 90.0% @ 115Vac & 230Vac	> 89.0% @ 115Vac, > 90.0% @ 230Vac	> 90.0% @ 115Vac, > 92.0% @ 230Vac	> 91.0% @ 115Vac, > 92.0% @ 230Vac
Max Inrush Current (Cold Start)	< 20A @ 115Vac, < 35A @ 230Vac	< 35A @ 115Vac & 230Vac		
Power Factor	Conform to EN 61000-3-2		> 0.96 @ 115Vac, > 0.90 @ 230Vac	> 0.96 @ 115Vac, > 0.95 @ 230Vac
Leakage Current	< 1mA @ 240Vac			< 3mA @ 240Vac
MECHANICAL				
Case Cover	Aluminium			
Dimensions (L x W x D)	121 x 32 x 125 mm	121 x 50 x 123.1 mm	121 x 85 x 124.1 mm	121 x 144 x 118.6 mm
Unit Weight	0.37 kg	0.72 kg	1.10 kg	1.37 kg
Cooling System	Convection			
Input Terminal	Pluggable Connector 3 Pins (Rated 300V/15A)			3 Pins (Rated 300V/30A)
Output Terminal	Pluggable Connector 2 Pins (Rated 300V/15A)	Pluggable Connector 4 Pins (Rated 300V/15A)		4 Pins (Rated 300V/30A)
Input / Output Wire	AWG 22-12	AWG 20-12	AWG 16-14	I/P: AWG 18-10, O/P: AWG 12-10
MTBF ³⁾	> 800,000 hrs	> 800,000 hrs	> 500,000 hrs	> 500,000 hrs
ENVIRONMENT				
Operating Temperature	-25°C to +80°C			-25°C to +75°C
Storage Temperature	-25°C to +85°C			
Power De-rating	> 50°C (2.5% / °C)			> 50°C (2.5% / °C); > 70°C (5% / °C)
Operating Humidity	5 to 95% RH (Non-Condensing)			
Operating Altitude	0 to 2,500m			

Notes

- 1) All models fulfill the test conditions for this range while DRP024V060W1B□ is also certified for DC Input.
- 2) At 25°C ambient temperature by vertical mounting orientation.
- 3) MTBF as per Telcordia SR-332 (Confidence level: 90%, I/P: 115Vac, O/P: 100% load) for vertical mounting orientation.
- 4) All parameters are specified at 25°C ambient temperature unless otherwise indicated.

MECHANICAL DRAWINGS



*Units in mm

DIN Rail Power Supply

DIN Rail Modules

Panel Mount Power Supply

Open Frame Power Supply

CliQ II DIN Rail Power Supply

24V Output NEC Class 2



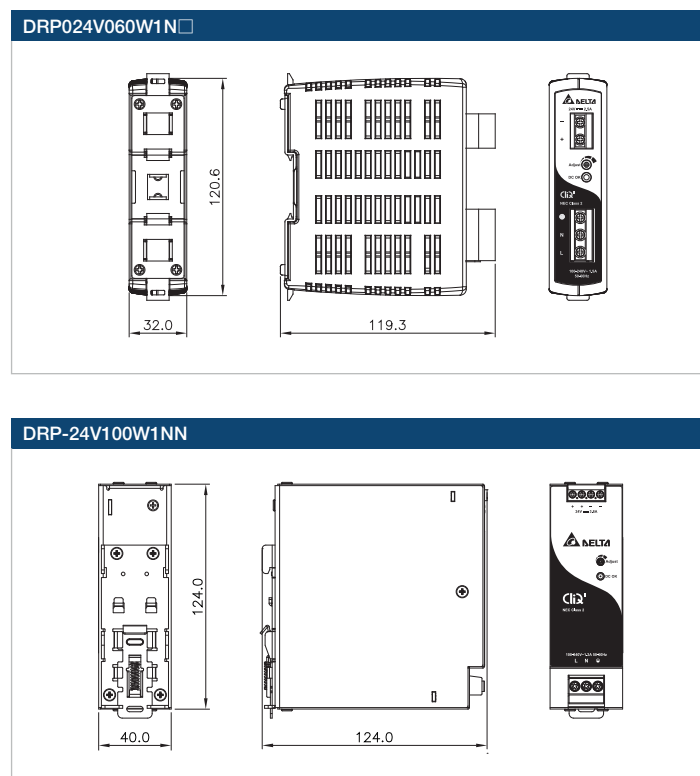
HIGHLIGHTS & FEATURES

- Universal AC input voltage
- Power will not de-rate for the entire input voltage range
- UL 1310 safety approval
- NEC Class 2 and Limited Power Source (LPS) approvals
- Conforms to harmonic current IEC/EN 61000-3-2, Class A
- Conformal coating on PCBAs to protect against chemical and dust pollutants
- Hazardous Locations approval to ATEX and Class I, Div 2 (DRP024V060W1N□)

GENERAL SPECIFICATIONS

		NEW
OUTPUT	DRP024V060W1N□	DRP-24V100W1NN
Output Voltage	24V	24V
Output Voltage Range	24-28V	22-24V
Output Current	2.50A	3.80A
Output Power	60W	91.2W
Line Regulation	< 0.5% typ. (@ 85-264Vac input, 100% load)	
Load Regulation	< 1% typ. (@ 85-264Vac input, 0-100% load), DRP-24V100W1NN: < 1% typ. (-25°C to +25°C), < 2% typ. (+25°C to +50°C)	
PARD (20MHz)	< 240mVpp	< 150mVpp
Hold-up Time	> 20ms @ 115Vac, > 125ms @ 230Vac	> 20ms @ 115Vac, > 30ms @ 230Vac
INPUT		
Phase Input	Single Phase	
Input Voltage Range	85-264Vac (DC input range 120-375Vdc) ¹⁾	
Input Frequency	47-63Hz	
Input Current	< 1.50A @ 115Vac, < 0.80A @ 230Vac	< 1.00A @ 115Vac, < 0.53A @ 230Vac
Efficiency ²⁾ at 100% Load	> 88.0% @ 115Vac, > 89.0% @ 230Vac	
Max Inrush Current (Cold Start)	< 40A @ 115Vac, < 80A @ 230Vac	< 30A @ 115Vac, < 60A @ 230Vac
Power Factor	Conform to EN 61000-3-2	> 0.99 @ 115Vac, > 0.94 @ 230Vac
Leakage Current	< 0.5mA @ 240Vac	
MECHANICAL		
Case Cover	Plastic	Aluminium
Dimensions (L x W x D)	120.6 x 32 x 119.3 mm	124 x 40 x 124 mm
Unit Weight	0.33 kg	0.60 kg
Cooling System	Convection	
Input Terminal	3 Pins (Rated 300V/30A)	3 Pins (Rated 600V/35A)
Output Terminal	2 Pins (Rated 300V/30A)	4 Pins (Rated 300V/28A)
Input / Output Wire	AWG 22-10	AWG 18-12
MTBF ³⁾	> 800,000 hrs	> 800,000 hrs
ENVIRONMENT		
Operating Temperature	-25°C to +80°C	
Storage Temperature	-25°C to +85°C	
Power De-rating	> 50°C (2.5% / °C); > 70°C (4% / °C)	
Operating Humidity	5 to 95% RH (Non-Condensing)	
Operating Altitude	0 to 2,500m	

MECHANICAL DRAWINGS



*Units in mm

Notes

- 1) All models fulfill the test conditions for DC input.
- 2) At 25°C ambient temperature by vertical mounting orientation.
- 3) MTBF as per Telcordia SR-332 (Confidence level: 90%, I/P: 115Vac, O/P: 100% load) for vertical mounting orientation.
- 4) All parameters are specified at 25°C ambient temperature unless otherwise indicated.

24V Output



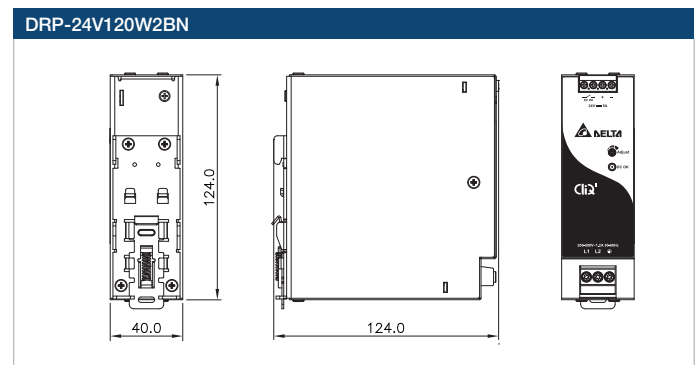
HIGHLIGHTS & FEATURES

- Designed for 2 or 3-Phase system with wide input voltage range of 2 x 180-550Vac (or 254-750Vdc)
- Compact and corrosion resistant aluminium chassis
- High efficiency > 90.0%
- Conforms to harmonic current IEC/EN 61000-3-2, Class A
- Wide operating temperature range from -30°C to +70°C
- Built-in DC OK contact
- Conformal coating on PCBAs to protect against chemical and dust pollutants

GENERAL SPECIFICATIONS

PRELIMINARY	
OUTPUT	DRP-24V120W2BN
Output Voltage	24V
Output Voltage Range	24-28V
Output Current	5.00A
Output Power	120W
Line Regulation	< 0.5% typ. (@ 200-550Vac input, 100% load)
Load Regulation	< 1% typ. (@ 200-550Vac input, 0-100% load)
PARD (20MHz)	< 150mVpp
Hold-up Time	> 10ms @ 2 x 230Vac, > 50ms @ 2 x 400Vac
INPUT	
Phase Input	Two Phase
Input Voltage Range	2 x 180-550Vac (DC input range 254-750Vdc) ¹⁾
Input Frequency	47-63Hz
Input Current	< 1.20A @ 2 x 230Vac, < 0.65A @ 2 x 400Vac
Efficiency ²⁾ at 100% Load	> 90.0% @ 2 x 400Vac
Max Inrush Current (Cold Start)	< 50A @ 2 x 200Vac & 500Vac
Power Factor	Conform to EN 61000-3-2
Leakage Current	< 3.5mA @ 500Vac
MECHANICAL	
Case Cover	Aluminium
Dimensions (L x W x D)	117 x 40 x 124 mm
Unit Weight	0.59 kg
Cooling System	Convection
input Terminal	3 Pins (Rated 600V/35A)
Output Terminal	4 Pins (Rated 300V/28A)
Input / Output Wire	AWG 18-8
MTBF ³⁾	> 500,000 hrs
ENVIRONMENT	
Operating Temperature	-30°C to +70°C
Storage Temperature	-30°C to +85°C
Power De-rating	> 60°C (4% / °C)
Operating Humidity	5 to 95% RH (Non-Condensing)
Operating Altitude	0 to 2,000m (for industrial application); 0 to 2,500m (for ITE application)

MECHANICAL DRAWINGS



*Units in mm

Notes

- 1) All models are certified for DC Input.
- 2) At 25°C ambient temperature by vertical mounting orientation.
- 3) MTBF as per Telcordia SR-332 (Confidence level: 90%, I/P: 115Vac, O/P: 100% load) for vertical mounting orientation.
- 4) All parameters are specified at 25°C ambient temperature unless otherwise indicated.

CliQ II DIN Rail Power Supply

24V Output



HIGHLIGHTS & FEATURES

- Universal AC input voltage
- Power will not de-rate for the entire input voltage range
- Power Boost of 150% for 5 seconds (480W: 200% for 2 seconds)
- Full corrosion resistant aluminium chassis
- Conforms to harmonic current IEC/EN 61000-3-2, Class A
- Conformal coating on PCBAs to protect against chemical and dust pollutants
- Hazardous Locations approval to ATEX and Class I, Div 2

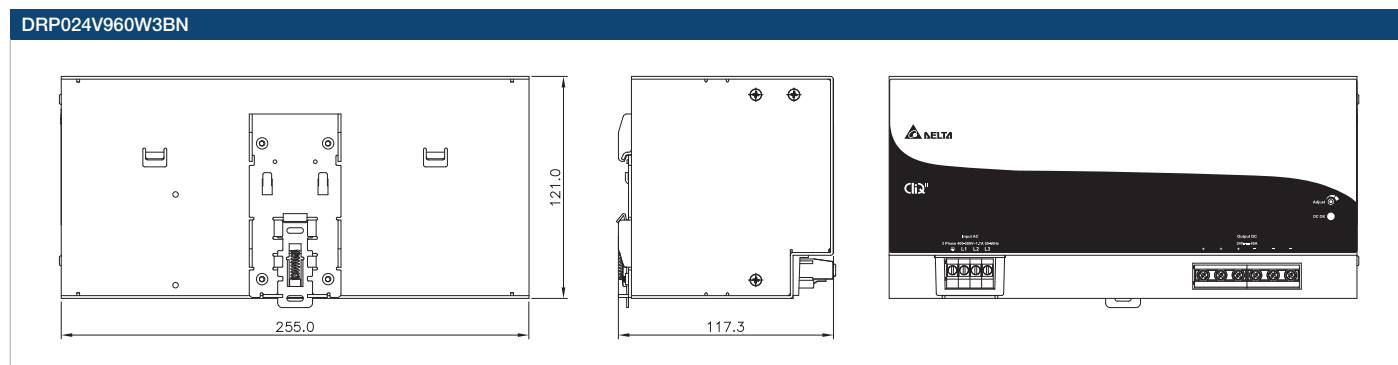
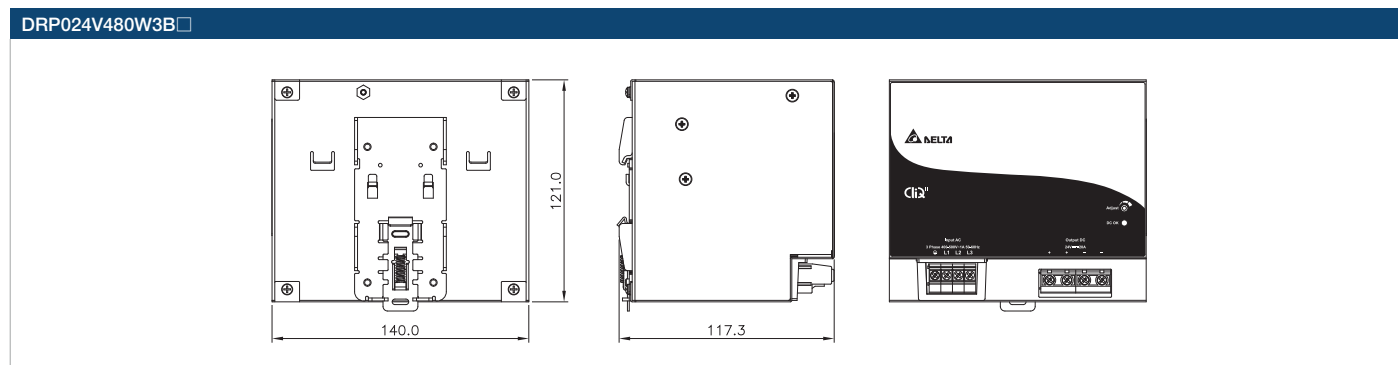
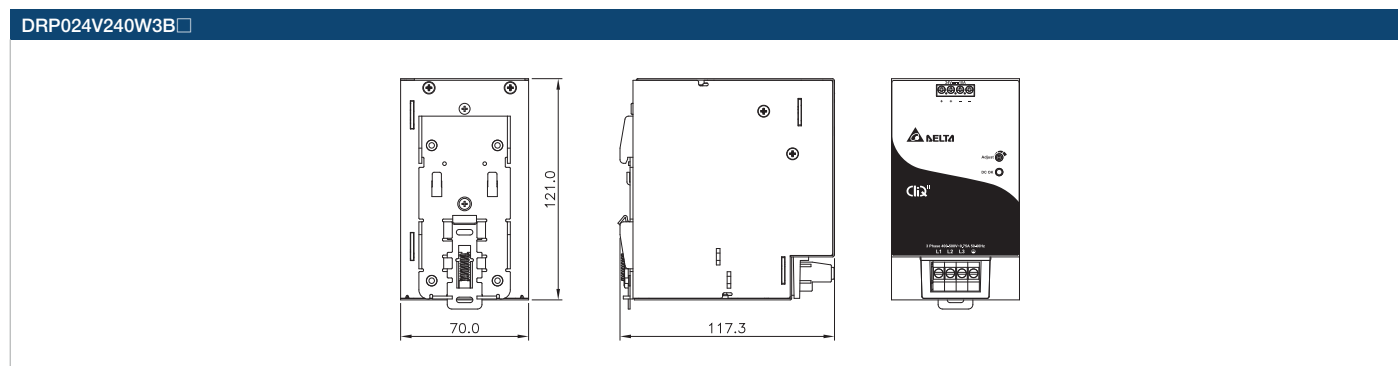
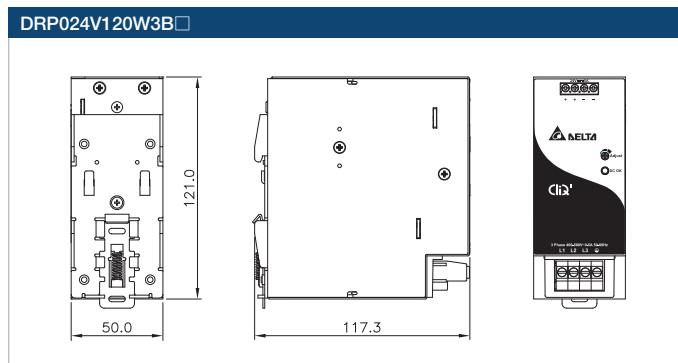
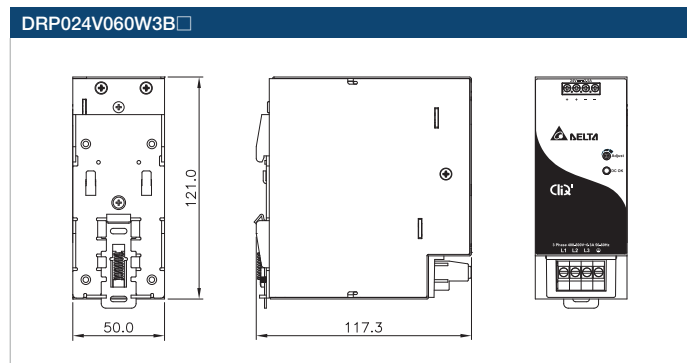
GENERAL SPECIFICATIONS

OUTPUT	DRP024V060W3B□	DRP024V120W3B□	DRP024V240W3B□	DRP024V480W3B□	DRP024V960W3BN
Output Voltage	24V	24V	24V	24V	24V
Output Voltage Range	24-28V	24-28V	24-28V	24-28V	24-28V
Output Current	2.50A	5.00A	10.0A	20.0A	40.0A
Output Power	60W	120W	240W	480W	960W
Line Regulation	< 0.5% typ. (@ 320-600Vac input, 100% load)				
Load Regulation	< 1% typ. (@ 320-600Vac input, 0-100% load)				
PARD (20MHz)	< 150mVpp				< 240mVpp
Hold-up Time	> 20ms @ 3 x 400Vac, > 40ms @ 3 x 500Vac			> 20ms @ 3 x 400Vac & 500Vac	
INPUT					
Phase Input	Two Phase or Three Phase				
Input Voltage Range	3 x 320-600Vac or 2 x 360-600Vac (DC input range 450-800Vdc) ¹⁾				
Input Frequency	47-63Hz				
Input Current	< 0.30A/Phase @ 400Vac, < 0.25A/Phase @ 500Vac	< 0.50A/Phase @ 400Vac, < 0.40A/Phase @ 500Vac	< 0.75A/Phase @ 400Vac, < 0.65A/Phase @ 500Vac	< 1.00A/Phase @ 400Vac, < 0.75A/Phase @ 500Vac	< 1.70A/Phase @ 400Vac, < 1.40A/Phase @ 500Vac
Efficiency ²⁾ at 100% Load	> 86.0% @ 3 x 400Vac & 500Vac	> 88.0% @ 3 x 400Vac & 500Vac	> 92.0% @ 3 x 400Vac & 500Vac	> 91.0% @ 3 x 400Vac & 500Vac	> 92.0% @ 3 x 400Vac & 500Vac
Max Inrush Current (Cold Start) ³⁾	< 30A @ 3 x 400Vac & 500Vac	< 30A @ 3 x 400Vac & 500Vac	< 40A @ 3 x 400Vac & 500Vac	< 50A @ 3 x 400Vac & 500Vac	< 60A @ 3 x 400Vac & 500Vac
Power Factor	Conform to EN 61000-3-2			> 0.95 @ 3 x 400Vac, > 0.92 @ 3 x 500Vac	
Leakage Current	< 3.5mA @ 500Vac				
MECHANICAL					
Case Cover	Aluminium				
Dimensions (L x W x D)	121 x 50 x 117.3 mm	121 x 50 x 117.3 mm	121 x 70 x 117.3 mm	121 x 140 x 117.3 mm	121 x 255 x 117.3 mm
Unit Weight	0.66 kg	0.66 kg	0.89 kg	1.35 kg	2.60 kg
Cooling System	Convection				
Input Terminal	4 Pins (Rated 600V/35A)				
Output Terminal	4 Pins (Rated 300V/28A)			4 Pins (Rated 300V/30A)	6 Pins (Rated 300V/30A)
Input / Output Wire	AWG 18-12	AWG 18-12	I/P: AWG 18-12, O/P: AWG 16-12	I/P: AWG 18-8, O/P: AWG 12-10	I/P: AWG 18-8, O/P: AWG 12-10
MTBF ⁴⁾	> 500,000 hrs	> 500,000 hrs	> 500,000 hrs	> 300,000 hrs	> 300,000 hrs
ENVIRONMENT					
Operating Temperature	-25°C to +80°C				-25°C to +65°C
Storage Temperature	-25°C to +85°C				
Power De-rating	> 50°C (2.5% / °C); > 70°C (5% / °C)				> 50°C (2.5% / °C)
Operating Humidity	5 to 95% RH (Non-Condensing)				
Operating Altitude	0 to 2,000m (for industrial application); 0 to 2,500m (for ITE application)				

Notes

- 1) All models fulfill the test conditions for this range while DRP024V480W3B□ and DRP024V960W3BN are also certified for DC Input.
- 2) At 25°C ambient temperature by vertical mounting orientation.
- 3) AC Source capability up to 3KVA.
- 4) MTBF as per Telcordia SR-332 (Confidence level: 90%, I/P: 400Vac, O/P: 100% load) for vertical mounting orientation.
- 5) All parameters are specified at 25°C ambient temperature unless otherwise indicated.

MECHANICAL DRAWINGS



*Units in mm

DIN Rail Power Supply

DIN Rail Modules

Panel Mount Power Supply

Open Frame Power Supply

CliQ II DIN Rail Power Supply

48V Output



HIGHLIGHTS & FEATURES

- Universal AC input voltage
- Power will not de-rate for the entire input voltage range
- High efficiency > 91.0% @ 230Vac
- Power Boost of 150% for 5 seconds
- Full corrosion resistant aluminium chassis
- Conforms to harmonic current IEC/EN 61000-3-2, Class A
- Extreme low temperature cold start at -40°C
- Conformal coating on PCBAs to protect against chemical and dust pollutants
- Hazardous Locations approval to ATEX and Class I, Div 2

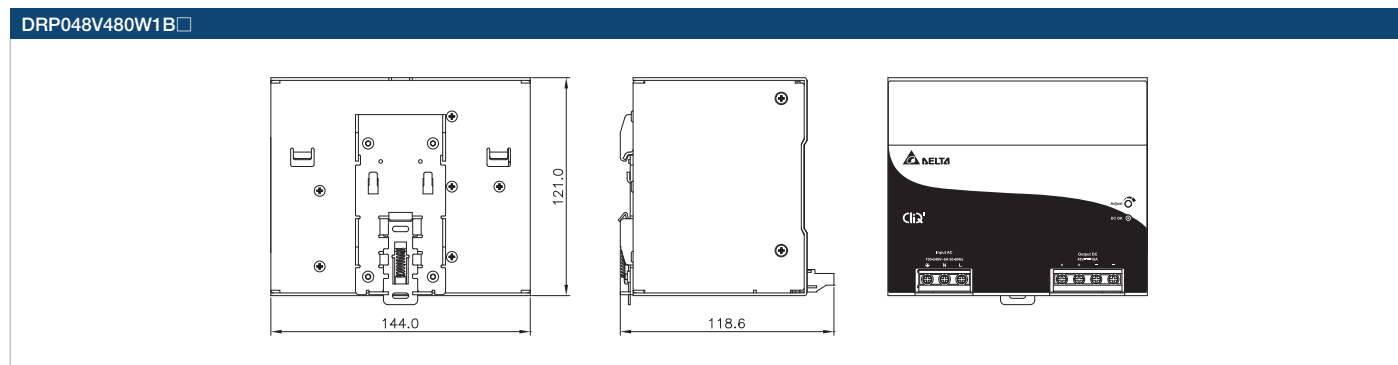
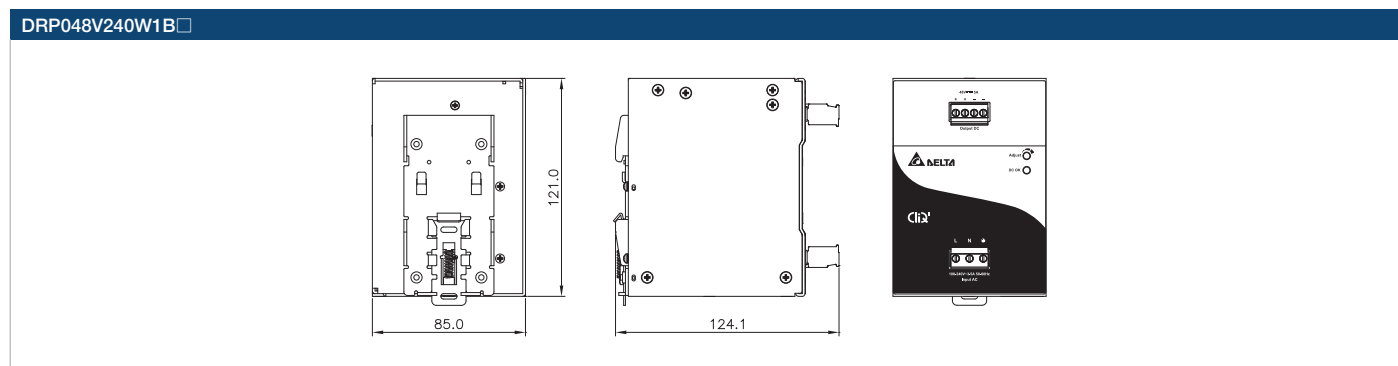
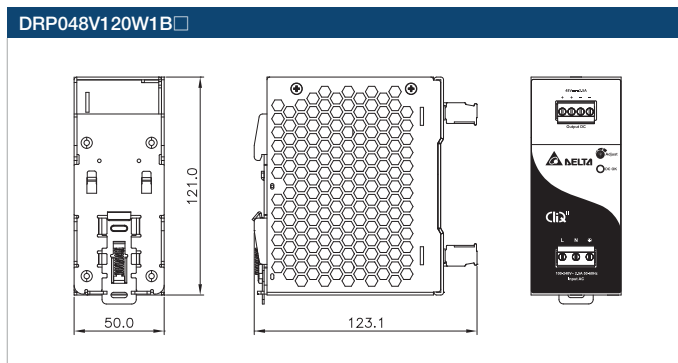
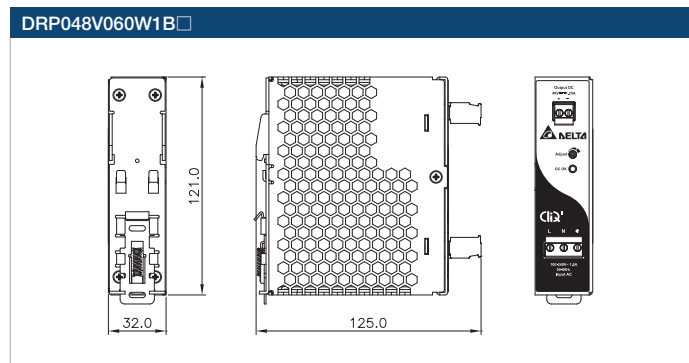
GENERAL SPECIFICATIONS

OUTPUT	DRP048V060W1B□	DRP048V120W1B□	DRP048V240W1B□	DRP048V480W1B□
Output Voltage	48V	48V	48V	48V
Output Voltage Range	48-56V	48-56V	48-56V	48-56V
Output Current	1.25A	2.50A	5.00A	10.0A
Output Power	60W	120W	240W	480W
Line Regulation	< 0.5% typ. (@ 85-264Vac input, 100% load)			
Load Regulation	< 1% typ. (@ 85-264Vac input, 0-100% load)			
PARD (20MHz)	< 200mVpp			
Hold-up Time	> 20ms @ 115Vac, > 125ms @ 230Vac	> 20ms @ 115Vac, > 50ms @ 230Vac	> 20ms @ 115Vac & 230Vac	
INPUT				
Phase Input	Single Phase			
Input Voltage Range	85-264Vac (DC input range 120-375Vdc) ¹⁾			
Input Frequency	47-63Hz			
Input Current	< 1.40A @ 115Vac, < 0.80A @ 230Vac	< 2.20A @ 115Vac, < 1.10A @ 230Vac	< 2.50A @ 115Vac, < 1.30A @ 230Vac	< 5.00A @ 115Vac, < 3.00A @ 230Vac
Efficiency ²⁾ at 100% Load	> 91.0% @ 115Vac, > 92.0% @ 230Vac	> 90.0% @ 115Vac, > 91.0% @ 230Vac	> 90.0% @ 115Vac, > 92.0% @ 230Vac	> 91.0% @ 115Vac, > 93.0% @ 230Vac
Max Inrush Current (Cold Start)	< 20A @ 115Vac, < 35A @ 230Vac	< 35A @ 115Vac & 230Vac		
Power Factor	Conform to EN 61000-3-2	> 0.99 @ 115Vac, > 0.93 @ 230Vac	> 0.96 @ 115Vac, > 0.90 @ 230Vac	
Leakage Current	< 1mA @ 240Vac			< 3mA @ 240Vac
MECHANICAL				
Case Cover	Aluminium			
Dimensions (L x W x D)	121 x 32 x 125 mm	121 x 50 x 123.1 mm	121 x 85 x 124.1 mm	121 x 144 x 118.6 mm
Unit Weight	0.38 kg	0.72 kg	0.96 kg	1.37 kg
Cooling System	Convection			
Input Terminal	Pluggable Connector 3 Pins (Rated 300V/15A)			3 Pins (Rated 300V/30A)
Output Terminal	Pluggable Connector 2 Pins (Rated 300V/15A)	Pluggable Connector 4 Pins (Rated 300V/15A)		4 Pins (Rated 300V/30A)
Input / Output Wire	AWG 22-12	AWG 20-12	AWG 20-12	I/P: AWG 18-10, O/P: AWG 16-10
MTBF ³⁾	> 800,000 hrs	> 800,000 hrs	> 500,000 hrs	> 500,000 hrs
ENVIRONMENT				
Operating Temperature	-25°C to +80°C			-25°C to +75°C
Storage Temperature	-25°C to +85°C			
Power De-rating	> 50°C (2.5% / °C)			> 50°C (2.5% / °C); > 70°C (5% / °C)
Operating Humidity	5 to 95% RH (Non-Condensing)			
Operating Altitude	0 to 2,500m			

Notes

- 1) All models fulfill the test conditions for DC Input.
- 2) At 25°C ambient temperature by vertical mounting orientation.
- 3) MTBF as per Telcordia SR-332 (Confidence level: 90%, I/P: 115Vac, O/P: 100% load) for vertical mounting orientation.
- 4) All parameters are specified at 25°C ambient temperature unless otherwise indicated.

MECHANICAL DRAWINGS



*Units in mm

DIN Rail Power Supply

DIN Rail Modules

Panel Mount Power Supply

Open Frame Power Supply

Chrome DIN Rail Power Supply

12V Output



CHROME

HIGHLIGHTS & FEATURES

- Class II Double Isolation (No earth connection is required)
- Universal AC input voltage
- Power will not de-rate for the entire input voltage range
- Can be installed in compact cabinets
- NEC Class 2 and Limited Power Source (LPS) approvals
- Conforms to harmonic current IEC/EN 61000-3-2, Class A
- Safety approval according to IEC/EN/UL 60950-1 (ITE standard) and UL 508 (Industrial standard)

GENERAL SPECIFICATIONS

		NEW
OUTPUT	DRC-12V30W1AZ	DRC-12V60W1AZ
Output Voltage	12V	12V
Output Voltage Range	11.5-14.5V	11.5-14.0V
Output Current	2.10A	4.50A
Output Power	25.2W	54W
Line Regulation	< 1% typ. (@ 90-264Vac, 100% load)	
Load Regulation	< 2% typ. (@ 90-264Vac, 100% load)	
PARD (20MHz)	< 150mVpp	
Hold-up Time	> 25ms @ 115Vac, > 30ms @ 230Vac	> 16ms @ 115Vac, > 30ms @ 230Vac
INPUT		
Phase Input	Single Phase	
Input Voltage Range	90-264Vac (DC input range 125-375Vdc) ¹⁾	
Input Frequency	47-63Hz	
Input Current	< 0.80A @ 115Vac, < 0.60A @ 230Vac	< 1.50A @ 115Vac, < 0.80A @ 230Vac
Efficiency ²⁾ at 100% Load	> 85.0% @ 115Vac & 230Vac	> 86.0% @ 115Vac & 230Vac
Max Inrush Current (Cold Start)	< 25A @ 115Vac, < 50A @ 230Vac	< 30A @ 115Vac, < 60A @ 230Vac
Power Factor	Conform to EN 61000-3-2	
Leakage Current	< 0.25mA @ 240Vac	
MECHANICAL		
Case Cover	Plastic	
Dimensions (L x W x D)	91 x 53 x 55.6 mm	91 x 71 x 55.6 mm
Unit Weight	0.14 kg	0.24 kg
Cooling System	Convection	
Input Terminal	2 Pins (Rated 300V/25A)	
Output Terminal	4 Pins (Rated 300V/25A)	
Input / Output Wire	AWG 24-12	AWG 24-12
MTBF ³⁾	> 500,000 hrs	> 500,000 hrs
ENVIRONMENT		
Operating Temperature	-25°C to +71°C	
Storage Temperature	-25°C to +85°C	
Power De-rating	> 55°C (2.5% / °C)	
Operating Humidity	5 to 95% RH (Non-Condensing)	
Operating Altitude	0 to 2,000m	

Notes

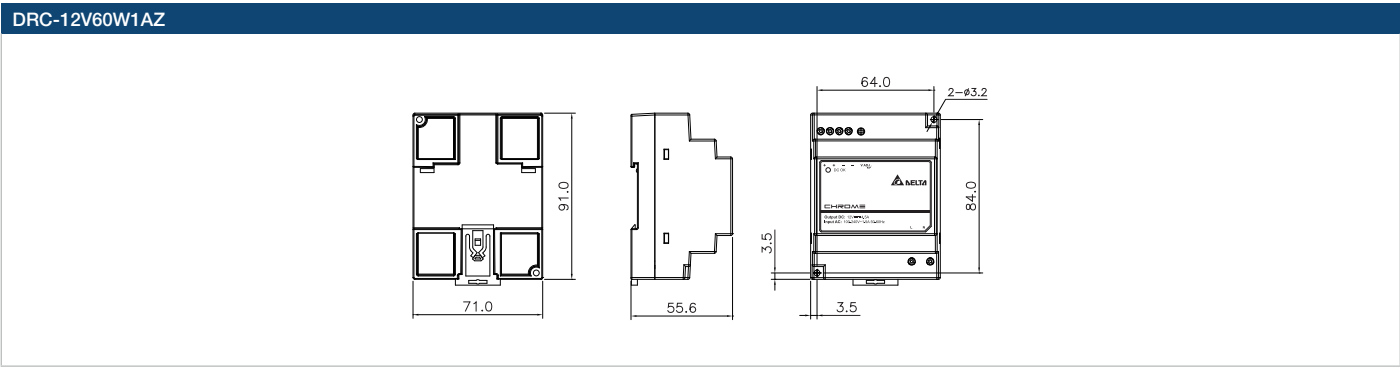
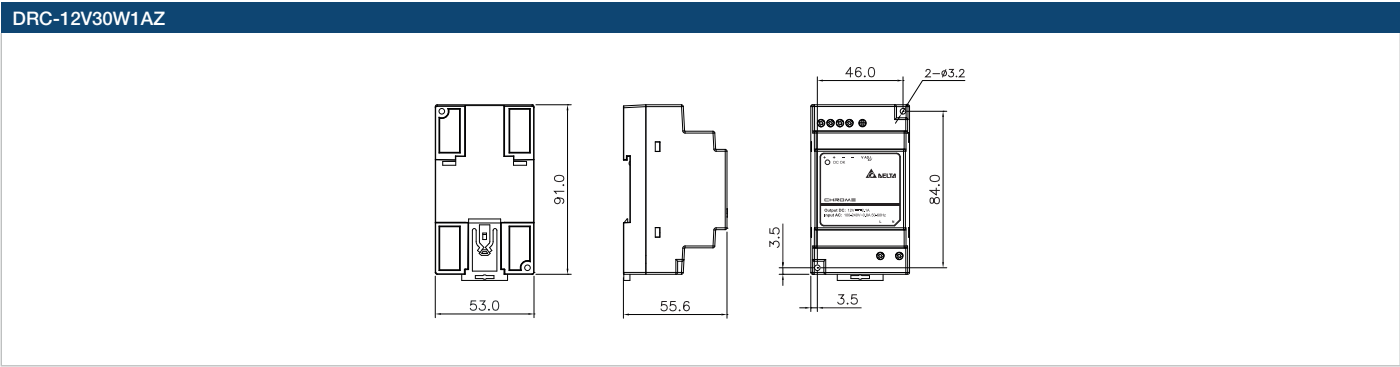
1) All models fulfill the test conditions for DC Input.

2) At 25°C ambient temperature by vertical mounting orientation.

3) MTBF as per Telcordia SR-332 (Confidence level: 90%, I/P: 100Vac, O/P: 100% load, Ta: 35°C) for vertical mounting orientation.

4) All parameters are specified at 25°C ambient temperature unless otherwise indicated.

MECHANICAL DRAWINGS



*Units in mm

DIN Rail Power Supply

DIN Rail Modules

Panel Mount Power Supply

Open Frame Power Supply

Chrome DIN Rail Power Supply

24V Output



CHROME

HIGHLIGHTS & FEATURES

- Class II Double Isolation (No earth connection is required)
- Universal AC input voltage
- Power will not de-rate for the entire input voltage range
- Can be installed in compact cabinets
- NEC Class 2 and Limited Power Source (LPS) approvals
- Conforms to harmonic current IEC/EN 61000-3-2, Class A
- Safety approval according to IEC/EN/UL 60950-1 (ITE standard) and UL 508 (Industrial standard)

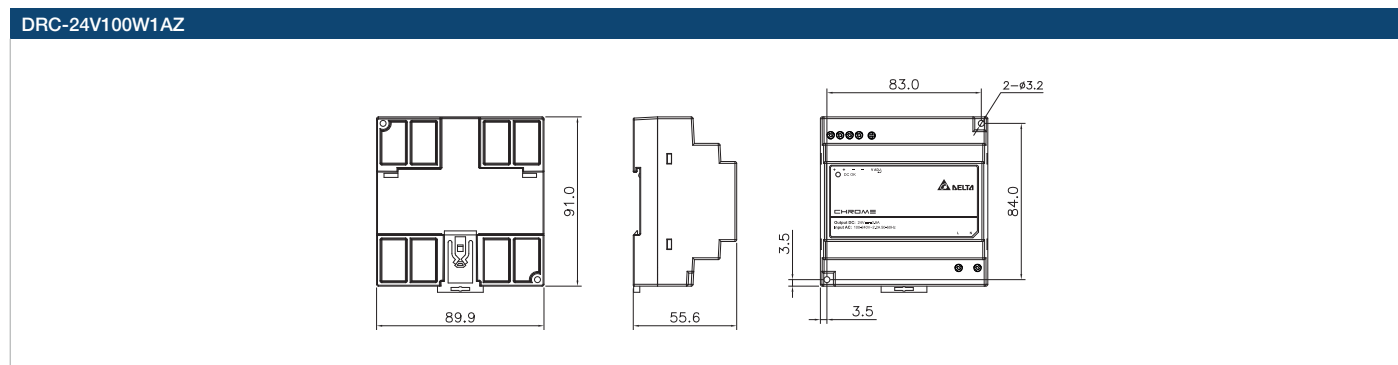
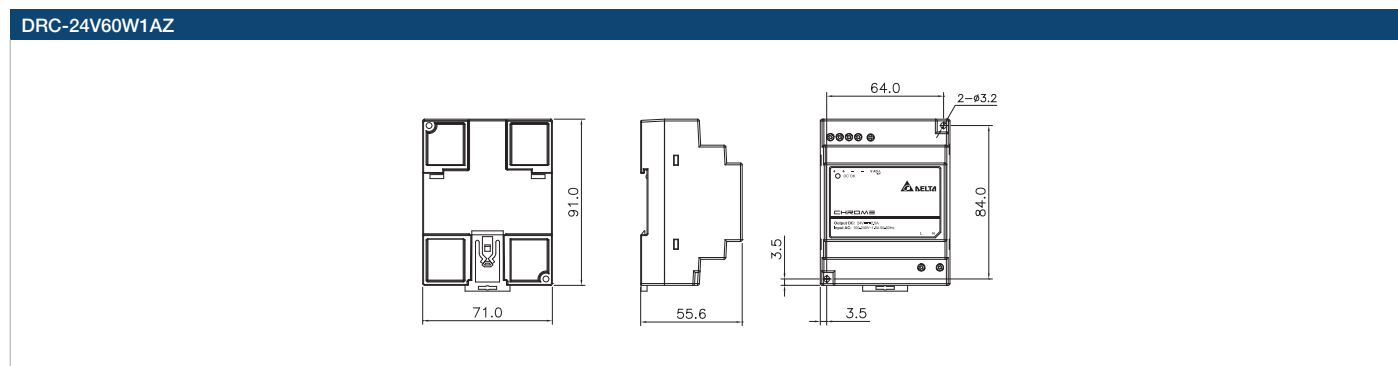
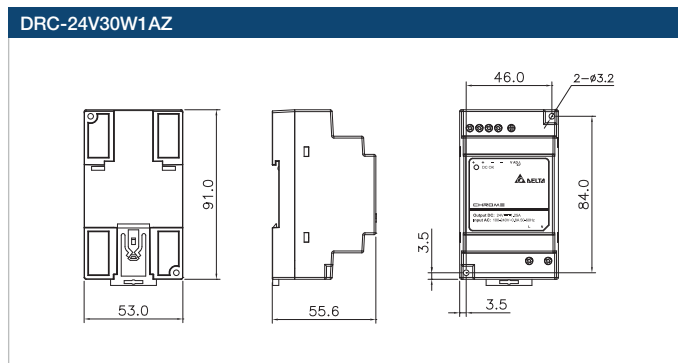
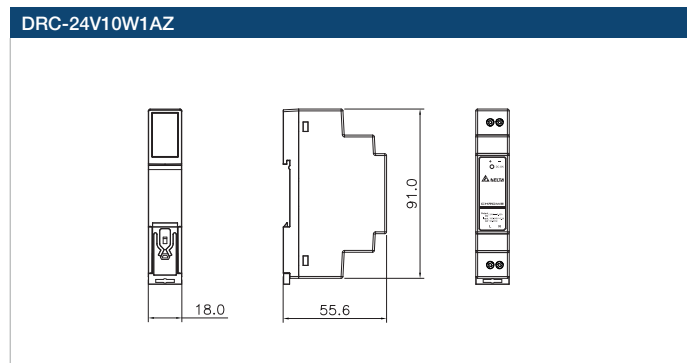
GENERAL SPECIFICATIONS

		NEW	PRELIMINARY	
OUTPUT	DRC-24V10W1AZ	DRC-24V30W1AZ	DRC-24V60W1AZ	DRC-24V100W1AZ
Output Voltage	24V	24V	24V	24V
Output Voltage Range	24V	23.52-24.48V	24-28V	20-24.48V
Output Current	0.42A	1.25A	2.50A	3.80A
Output Power	10W	30W	60W	91.2W
Line Regulation	< 1% typ. (@ 90-264Vac, 100% load)			
Load Regulation	< 2% typ. (@ 90-264Vac, 100% load)			
PARD (20MHz)	< 150mVpp			
Hold-up Time	> 10ms @ 115Vac, > 30ms @ 230Vac	> 25ms @ 115Vac, > 30ms @ 230Vac	> 16ms @ 115Vac, > 30ms @ 230Vac	> 10ms @ 115Vac, > 30ms @ 230Vac
INPUT				
Phase Input	Single Phase			
Input Voltage Range	90-264Vac (DC input range 125-375Vdc) ¹⁾			
Input Frequency	47-63Hz			
Input Current	< 0.30A @ 115Vac, < 0.20A @ 230Vac	< 0.80A @ 115Vac, < 0.60A @ 230Vac	< 1.50A @ 115Vac, < 0.80A @ 230Vac	< 2.20A @ 115Vac, < 1.00A @ 230Vac
Efficiency ²⁾ at 100% Load	> 80.0% @ 115Vac & 230Vac	> 83.0% @ 115Vac & 230Vac	> 86.0% @ 115Vac & 230Vac	> 85.0% @ 115Vac, > 87.0% @ 230Vac
Max Inrush Current (Cold Start)	< 15A @ 115Vac, < 30A @ 230Vac	< 25A @ 115Vac, < 50A @ 230Vac	< 30A @ 115Vac, < 60A @ 230Vac	
Power Factor	Conform to EN 61000-3-2			
Leakage Current	< 0.25mA @ 240Vac			
MECHANICAL				
Case Cover	Plastic			
Dimensions (L x W x D)	91 x 18 x 55.6 mm	91 x 53 x 55.6 mm	91 x 71 x 55.6 mm	91 x 89.9 x 55.6 mm
Unit Weight	0.065 kg	0.14 kg	0.22 kg	0.35 kg
Cooling System	Convection			
Input Terminal	2 Pins (Rated 300V/16A)	2 Pins (Rated 300V/25A)	2 Pins (Rated 300V/25A)	2 Pins (Rated 300V/25A)
Output Terminal	2 Pins (Rated 300V/16A)	4 Pins (Rated 300V/25A)	4 Pins (Rated 300V/25A)	4 Pins (Rated 300V/25A)
Input / Output Wire	AWG 26-12	AWG 24-12	AWG 24-12	AWG 24-12
MTBF ³⁾	> 500,000 hrs	> 500,000 hrs	> 500,000 hrs	> 500,000 hrs
ENVIRONMENT				
Operating Temperature	-25°C to +71°C			
Storage Temperature	-25°C to +85°C			
Power De-rating	> 55°C (2.5% / °C)			
Operating Humidity	5 to 95% RH (Non-Condensing)			
Operating Altitude	0 to 2,000m			

Notes

- 1) All models fulfill the test conditions for DC Input.
- 2) At 25°C ambient temperature by vertical mounting orientation.
- 3) MTBF as per Telcordia SR-332 (Confidence level: 90%, I/P: 100Vac, O/P: 100% load, Ta: 35°C) for vertical mounting orientation.
- 4) All parameters are specified at 25°C ambient temperature unless otherwise indicated.

MECHANICAL DRAWINGS



*Units in mm

DIN Rail Power Supply

DIN Rail Modules

Panel Mount Power Supply

Open Frame Power Supply

CliQ II DIN Rail Modules

Redundancy Modules



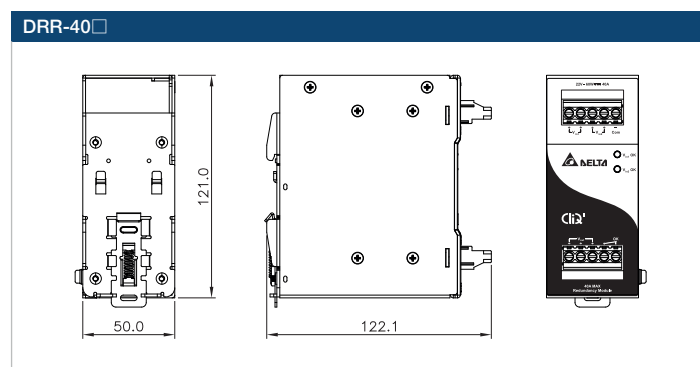
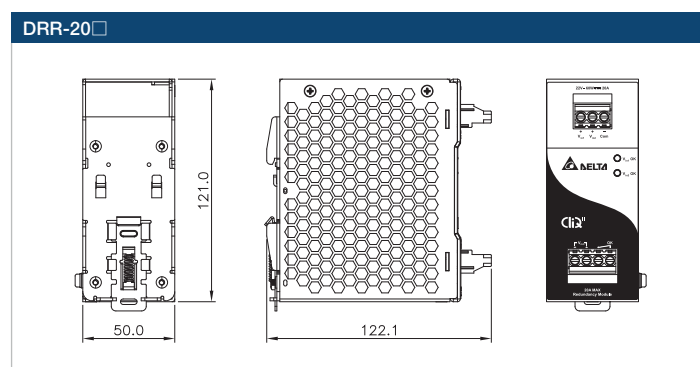
HIGHLIGHTS & FEATURES

- Wide input and output range of 22-60Vdc
- Very wide operating temperature from -40°C to +80°C
- Built-in 2 channel DC OK signal and alarm relay contact
- Support N+1 Redundancy connection
- Conformal coating on PCBAs to protect against chemical and dust pollutants
- Hazardous Locations approval to ATEX and Class I, Div 2
- IP20 Certified

GENERAL SPECIFICATIONS

OUTPUT	DRR-20□	DRR-40□
Output Current	Normal mode = 0-20Amps; Short Circuit or Overload = 25Amps max	Normal mode = 0-40Amps; Short Circuit or Overload = 50Amps max
Voltage Drop ($V_{in} - V_{out}$)	Typical 0.65V	
INPUT		
Input Voltage Range	22-60Vdc	
Input Current	(1+1 Redundancy) = Nom. 2 x 12.5Amps (N+1 Redundancy) = Nom. 2 x 10Amps (Single use) = Nom. 20Amps	(1+1 Redundancy) = Nom. 2 x 25Amps (N+1 Redundancy) = Nom. 2 x 20Amps (Single use) = Nom. 40Amps
MECHANICAL		
Case Cover	Aluminium	
Dimensions (L x W x D)	121 x 50 x 122.1 mm	121 x 50 x 122.1 mm
Unit Weight	0.38 kg	0.52 kg
Cooling System	Convection	
LED Indicators	Green LED DC OK: V_{in1} and V_{in2}	
MTBF ¹⁾	> 800,000 hrs	> 800,000 hrs
ENVIRONMENT		
Operating Temperature	-40°C to +80°C	
Storage Temperature	-40°C to +85°C	
Power De-rating	> 50°C (2.5% / °C)	
Operating Humidity	5 to 95% RH (Non-Condensing)	
Operating Altitude	0 to 2,500m	

MECHANICAL DRAWINGS



*Units in mm

Notes

- 1) MTBF as per Telcordia SR-332 (Confidence level: 90%, I/P: 24Vdc, O/P: 100% load) for vertical mounting orientation.
- 2) All parameters are specified at 25°C ambient temperature unless otherwise indicated.

DC-UPS Module



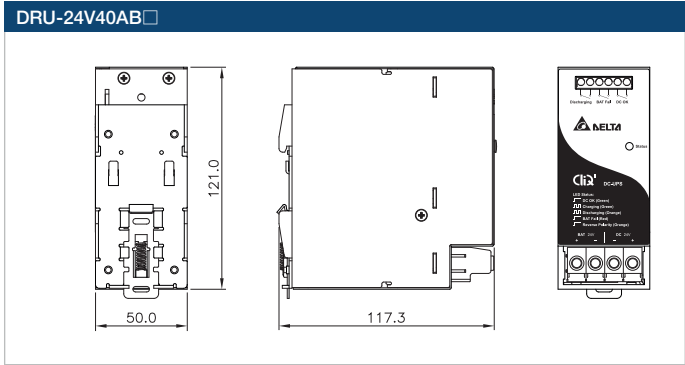
HIGHLIGHTS & FEATURES

- Full corrosion resistant aluminium chassis
- Suitable for 24V system up to 40A
- Built-in diagnostic monitoring for DC OK, Discharge and Battery Fail by relay contacts
- LED indicator for DC OK, Battery Fail, DC Input, Battery Reverse Polarity and Battery Discharge
- High MTBF > 500,000 hrs per Telcordia SR-332
- Conformal coating option on PCBAs to protect against chemical and dust pollutants

GENERAL SPECIFICATIONS

NEW	
OUTPUT	DRU-24V40AB□
Output Voltage	24Vdc typ. (Depends on V_{in})
Discharging Voltage	23-28Vdc
Maximum Output Voltage	30Vdc $\pm$ 0.5Vdc
Output Current	40A Max
INPUT	
Input Voltage Range	24-28Vdc
Maximum Input Voltage	30Vdc $\pm$ 0.5Vdc
Input Current	Charging Mode: 2.0A $\pm$ 0.5A
Charging Time	< 3hr $\pm$ 1 hr (with 7.5AH Battery)
Efficiency	Charging Mode: > 70.0%
MECHANICAL	
Case Cover	Aluminium
Dimensions (L x W x D)	121 x 50 x 117.3 mm
Unit Weight	0.60 kg
Cooling System	Convection
LED Indicators	Green LED ON = Unit is fully charged Green LED Flashing = Unit is charging Orange LED ON = Battery 24V or DC 24V reverse polarity Orange LED Flashing = Unit is discharging Red LED ON = Battery fail (no battery is connected)
Input / Output Terminal	4 Pins (Rated 600V/60A)
Signal Terminal	6 Pins (Rated 300V/27A)
Input / Output Wire	AWG 12-6 (Load: 0-20A) AWG 8-6 (Load 20-40A)
Signal Wire	AWG 24-12
MTBF ²⁾	> 500,000 hrs
ENVIRONMENT	
Operating Temperature	-20°C to +60°C
Storage Temperature	-25°C to +85°C
Operating Humidity	5 to 95% RH (Non-Condensing)
Operating Altitude	0 to 3,000m

MECHANICAL DRAWINGS



*Units in mm

Notes
1) MTBF as per Telcordia SR-332 (Confidence level: 90%, I/P: 24Vdc, O/P: 100% load) for vertical mounting orientation.
2) All parameters are specified at 25°C ambient temperature unless otherwise indicated.

CliQ II DIN Rail Modules

Buffer Modules



HIGHLIGHTS & FEATURES

- Minimum buffering time of:
 - 250ms @ 24V/20A for DRB-24V020AB□
 - 200ms @ 24V/40A for DRB-24V040ABN
- Flexible operating buffering voltage modes:
 - Fixed mode at 22Vdc
 - Dynamic mode for $V_{in} - 1V$
- Support parallel connection to extend buffering time
- Conformal coating on PCBAs to protect against chemical and dust pollutants
- Hazardous Locations approval to ATEX and Class I, Div 2

GENERAL SPECIFICATIONS

		NEW
OUTPUT	DRB-24V020AB□	DRB-24V040ABN
Output Voltage	24Vdc typ. (Depends on V_{in})	24Vdc typ. (Depends on V_{in})
Output Voltage Range	22-28V (Switch = "Fix 22V" buffering starts if terminal voltage falls below 22V) (Switch = " $V_{in} - 1V$ " buffering starts if terminal voltage is decreased by more than 1V)	
Maximum Output Voltage	35Vdc	35Vdc
Output Current	20.0A	40.0A
Maximum Signal Output	35V / 10mA	35V / 10mA
PARD (20MHz)	< 200mVpp	< 350mVpp
Buffer Time	> 250ms @ 24V/20A load, > 5s @ 24V/1A load	> 200ms @ 24V/40A load, > 8s @ 24V/1A load
INPUT		
Input Voltage Range	22.8-28.8Vdc	
Maximum Input Voltage	35Vdc	35Vdc
Input Current	Charging Mode: < 0.6A Discharging Mode: < 20A	Charging Mode: < 0.6A Discharging Mode: < 40A
Input Power	2.5W average (Standby Mode)	
Max Inrush Current (Cold Start)	< 20A	< 50A
Charging Time	< 30s	< 40s
Polarity Protection	Yes	Yes
MECHANICAL		
Case Cover	Aluminium	Aluminium
Dimensions (L x W x D)	121 x 70 x 120.1 mm	121 x 70 x 120.1 mm
Unit Weight	0.76 kg	0.90 kg
Cooling System	Convection	
LED Indicators	Green LED Off = Unit is discharged or V_{in} is < 22Vdc Green LED On = Unit is fully charged Green LED Flashing Slowly (1Hz) = Unit is charging Green LED Flashing Quickly (10Hz) = Unit is discharging	
Input / Output Terminal	2 Pins (Rated 300V/30A)	4 Pins (Rated 300V/30A)
Signal Terminal	5 Pins (Rated 300V/30A)	
Input / Output Wire	AWG 12-10	AWG 12-10
Signal Wire	AWG 24-10	AWG 24-10
MTBF ¹⁾	> 800,000 hrs	> 800,000 hrs
SAFETY / ENVIRONMENT		
Operating Temperature	-25°C to +75°C	
Storage Temperature	-25°C to +85°C	
Power De-rating	> 70°C (5% / °C)	
Operating Humidity	5 to 95% RH (Non-Condensing)	
Operating Altitude	0 to 2,500m	

Notes

- 1) MTBF as per Telcordia SR-332 (Confidence level: 90%, I/P: 24Vdc, O/P: 100% load) for vertical mounting orientation.
- 2) All parameters are specified at 25°C ambient temperature unless otherwise indicated.

MECHANICAL DRAWINGS

DRB-24V020AB□

The mechanical drawing for the DRB-24V020AB□ module includes three views: a top view showing a rectangular footprint with a width of 70.0 mm and a height of 121.0 mm; a front view showing a height of 120.1 mm and a perforated cooling area; and a side view showing the module's profile and DIN rail connector.

DRB-24V040ABN

The mechanical drawing for the DRB-24V040ABN module includes three views: a top view showing a rectangular footprint with a width of 70.0 mm and a height of 121.0 mm; a front view showing a height of 120.1 mm and a perforated cooling area; and a side view showing the module's profile and DIN rail connector.

*Units in mm

Standard Products

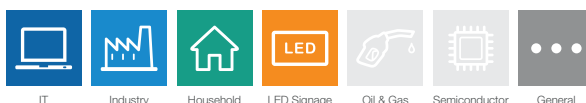
Panel Mount Power Supply

PMC



The PMC panel mount power supply series offers nominal output voltages of 5V, 12V, 24V, 48V and dual output of 24V/5V. These single phase power supplies have wide operating temperature range of -10°C to $+70^{\circ}\text{C}$ and a highly dependable minimum hold-up time. The lightweight design is able to withstand harsh industrial environments and is encased in a full corrosion resistant aluminium casing except for the 5V/15W and 24V/600W models. In addition to overvoltage, over temperature and overcurrent protections, the highly reliable PMC series come with universal AC input and the power will not de-rate for the entire input voltage range. All PMC power supplies conform to IEC/EN 61000-3-2 standards.

Typical Applications

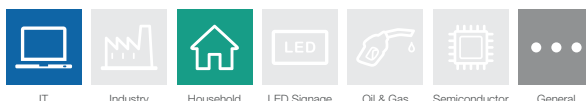


PMH



Delta PMH panel mount power supply series is designed for use in household application and has wide operating temperature range of -10°C to $+70^{\circ}\text{C}$. The product comes with universal AC input encased in a full corrosion resistant and lightweight aluminium body that can fit into compact household equipment enclosures. The PMH series complies with EN 60335-1 (Safety for household and similar electrical appliances); EN 61558-1 (Safety of power transformers, power supplies, reactors and similar products); EN 55014 (Emission for household appliances, electric tools and similar apparatus) and IEC/EN/UL 60950-1 (Safety for information technology equipment).

Typical Applications



PMF



The PMF panel mount power supply series currently offers nominal output voltages of 24V with power rating at 200W, 240W and 320W; 5V with power rating at 320W. The products come with universal AC input from 85Vac to 264Vac and wide operating temperature of -10°C to $+70^{\circ}\text{C}$. The built-in PFC provides high power factor which is greater than 0.93 and conforms to harmonic current IEC/EN 61000-3-2, Class A and Class D. In addition to features like overvoltage and overcurrent protections, the PMF series can meet the price demand of cost competitive markets without compromising the quality of the components. This versatile series has two different connector options (Terminal Block and Front Face) to satisfy different application needs. Remote ON/OFF feature is also available for this series.

Typical Applications



PMT



The PMT panel mount power supply series offers nominal output voltages of 4V, 5V, 12V, 24V, 48V and dual output of 12V/5V and 24V/5V with a wide operating temperature range from -10°C to +70°C and can withstand shock and vibration according to IEC 60068-2. In addition to features like overvoltage and overcurrent protections, Delta's PMT series of panel mount power supplies can meet the price demand of cost competitive markets without compromising the quality of the components and product specifications. This versatile series has three different connector options (Terminal Block, Front Face and Harness) and can also be converted into L Frame (PML) or Open Frame (PMB) platform to satisfy different application needs.

Typical Applications



PMR

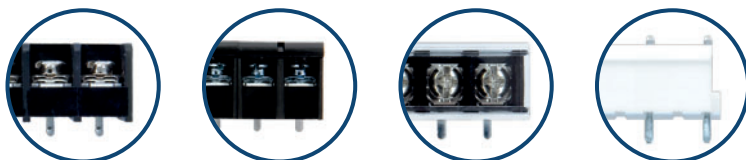


The PMR panel mount power supply series offers nominal output voltage of 4V and 5V with a wide operating temperature range from -10°C to +70°C and can withstand shock and vibration according to IEC 60068-2. The product comes with universal AC input voltage range at 88Vac to 264Vac and the power will not de-rate for the entire input voltage range value. At only 30mm height and encased in a full corrosion resistant aluminium casing, the PMR series is made for installation in narrow space while its built-in active PFC circuit provides high power factor values and conforms to harmonic current emission according to IEC/EN 61000-3-2.

Typical Applications



Connector Options



1. Terminal Block connector
2. IP20 connector
3. Front Face connector
4. Harness connector

*Please refer to the Model Numbering on pages 4-7.

All Delta power supplies are fully compliant with RoHS Directive 2011/65/EU for environmental protection. For more information or enquiries, please do not hesitate to contact your local Delta Electronics distributor or visit www.DeltaPSU.com.

PMC Panel Mount Power Supply

5V Output



PMC

HIGHLIGHTS & FEATURES

- Universal AC input voltage
- Power will not de-rate for the entire input voltage range
- Full corrosion resistant aluminium chassis (except PMC-05V015W1AA)
- Conforms to harmonic current IEC/EN 61000-3-2, Class A
- High MTBF > 700,000 hrs per Telcordia SR-332
- Safety approval according to IEC/EN/UL 60950-1 (ITE standard) and EMI to EN 55022, Class B

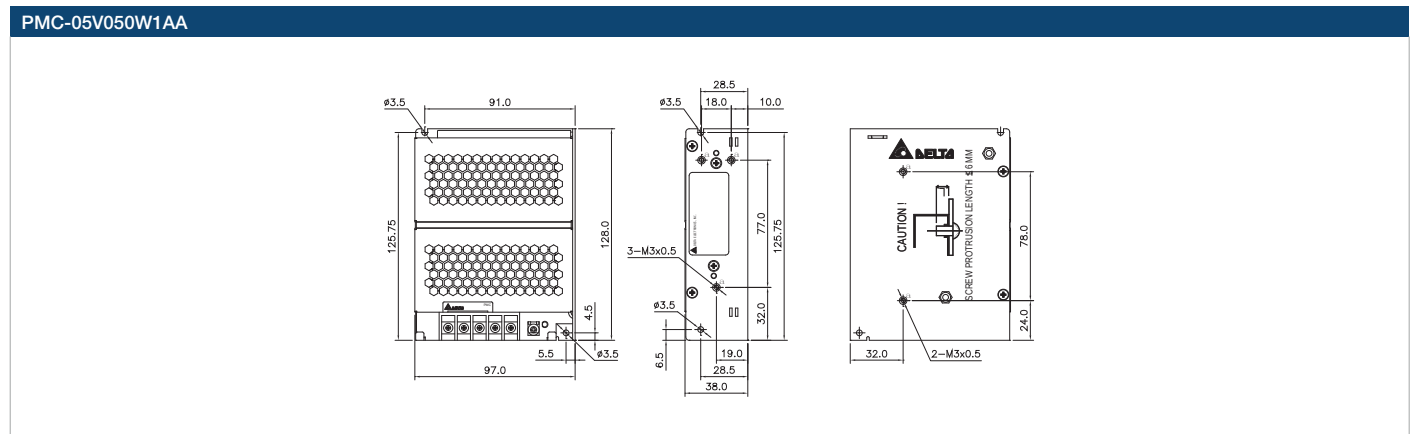
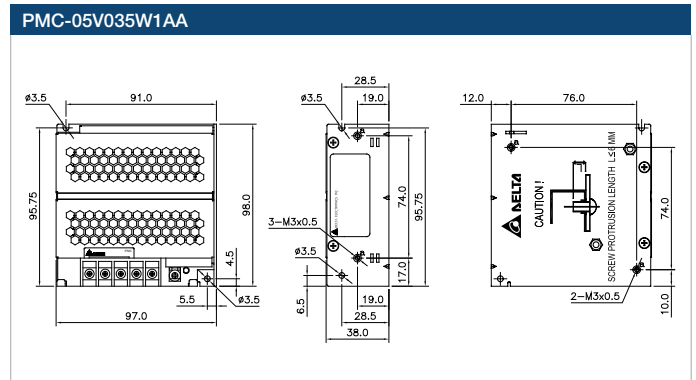
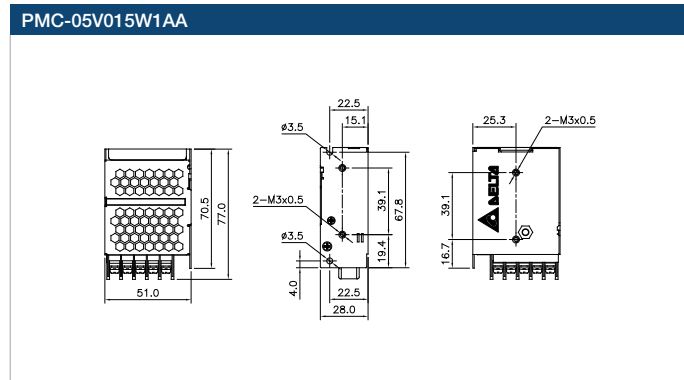
GENERAL SPECIFICATIONS

OUTPUT	PMC-05V015W1AA	PMC-05V035W1AA	PMC-05V050W1AA
Output Voltage	5V	5V	5V
Output Voltage Range	4.75-5.50V	4.75-5.50V	4.75-5.50V
Output Current	3.00A	7.00A	10.0A
Output Power	15W	35W	50W
Line Regulation	< 0.5% typ. (@ 85-264Vac input, 100% load)		
Load Regulation	< 1% typ. (@ 85-264Vac input, 0-100% load)		
PARD (20MHz)	< 70mVpp		
Hold-up Time	> 15ms @ 115Vac, > 80ms @ 230Vac		
INPUT			
Phase Input	Single Phase		
Input Voltage Range	85-264Vac (DC input range 125-375Vdc) ¹⁾		
Input Frequency	47-63Hz		
Input Current	< 0.32A @ 115Vac, < 0.22A @ 230Vac	< 0.90A @ 115Vac, < 0.80A @ 230Vac	< 1.10A @ 115Vac, < 0.70A @ 230Vac
Efficiency ²⁾ at 100% Load	> 79.0% @ 115Vac & 230Vac	> 78.0% @ 115Vac, > 79.0% @ 230Vac	> 79.0% @ 115Vac & 230Vac
Max Inrush Current (Cold Start)	< 30A @ 115Vac, < 65A @ 230Vac	< 30A @ 115Vac, < 60A @ 230Vac	< 30A @ 115Vac, < 65A @ 230Vac
Power Factor	Conform to EN 61000-3-2		
Leakage Current	< 1mA @ 240Vac		
MECHANICAL			
Case Cover / Chassis	SECC Steel	Aluminium	
Dimensions (L x W x D)	77 x 51 x 28 mm	98 x 97 x 38 mm	128 x 97 x 38 mm
Unit Weight	0.16 kg	0.18 kg	0.26 kg
Cooling System	Convection		
Input / Output Terminal	M3.5 x 5 Pins (Rated 300V/15A)		
Input / Output Wire	AWG 22-16	AWG 18-14	I/P: AWG 18-14, O/P: AWG 16-14
MTBF ³⁾	> 700,000 hrs	> 700,000 hrs	> 700,000 hrs
ENVIRONMENT			
Operating Temperature	-10°C to +70°C		
Storage Temperature	-25°C to +85°C		
Power De-rating	> 60°C (2.5% / °C)	> 50°C (2.5% / °C)	
Operating Humidity	5 to 95% RH (Non-Condensing)		
Operating Altitude	0 to 3,000m		

Notes

- 1) All models are certified for DC Input except PMC-05V015W1AA which still fulfills the test conditions of this range.
- 2) At 25°C ambient temperature by vertical mounting orientation.
- 3) MTBF as per Telcordia SR-332 (Confidence level: 90%, I/P: 115Vac, O/P: 100% load) for vertical mounting orientation.
- 4) All parameters are specified at 25°C ambient temperature unless otherwise indicated.

MECHANICAL DRAWINGS



*Units in mm

DIN Rail Power Supply

DIN Rail Modules

Panel Mount Power Supply

Open Frame Power Supply

PMC Panel Mount Power Supply

12V Output



PMC

HIGHLIGHTS & FEATURES

- Universal AC input voltage
- Power will not de-rate for the entire input voltage range
- Full corrosion resistant aluminium chassis
- Conforms to harmonic current IEC/EN 61000-3-2, Class A
- High MTBF > 700,000 hrs per Telcordia SR-332
- Safety approval according to IEC/EN/UL 60950-1 (ITE standard) and EMI to EN 55022, Class B
- Also available: IP20 connector

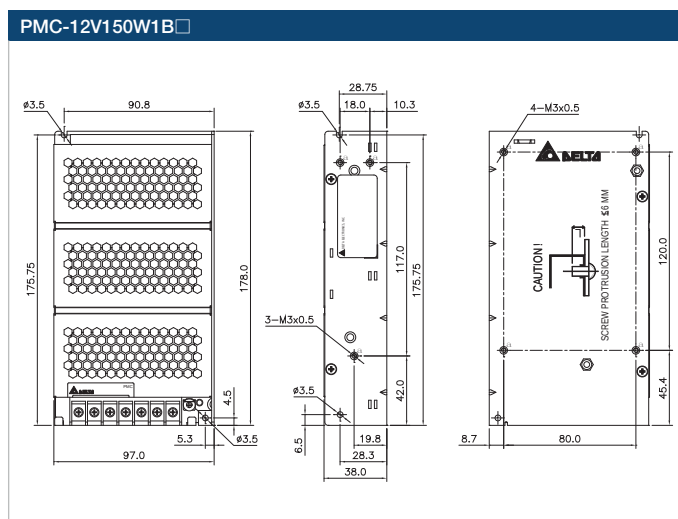
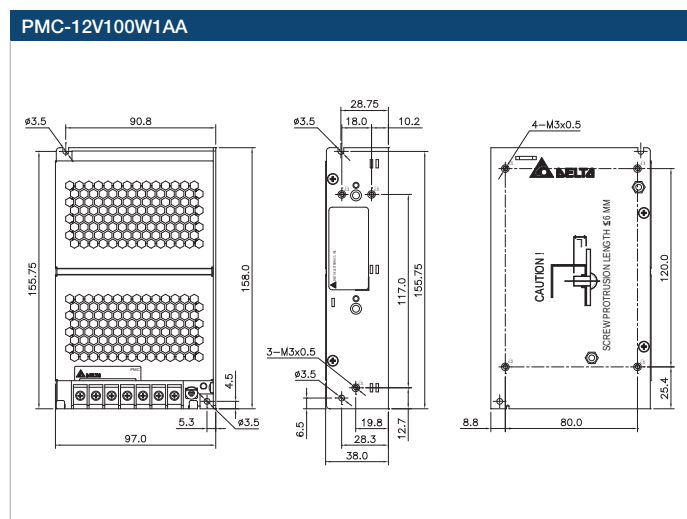
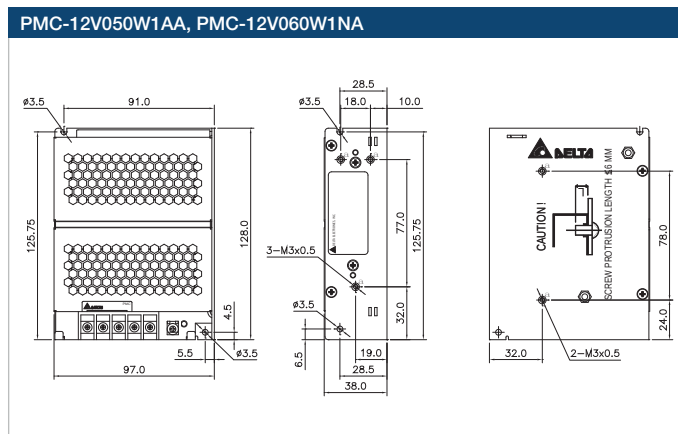
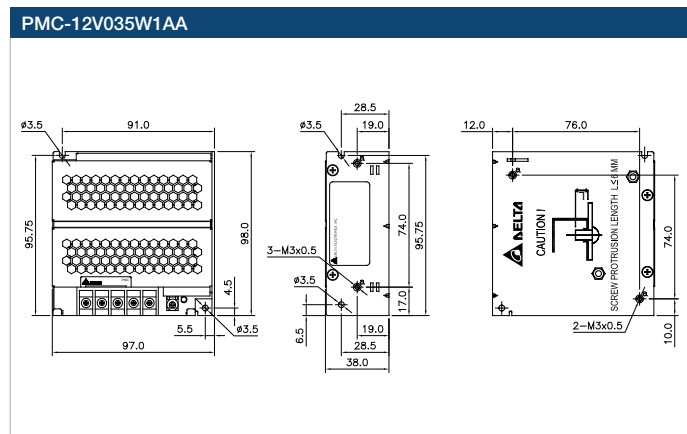
GENERAL SPECIFICATIONS

OUTPUT	PMC-12V035W1AA	PMC-12V050W1AA	PMC-12V060W1NA	PMC-12V100W1AA	PMC-12V150W1B
Output Voltage	12V	12V	12V	12V	12V
Output Voltage Range	11-14V	11-14V	12-14V	11-14V	11-14V
Output Current	3.00A	4.17A	5.00A	8.33A	12.5A
Output Power	35W	50W	60W	100W	150W
Line Regulation	< 0.5% typ. (@ 85-264Vac input, 100% load)				
Load Regulation	< 1% typ. (@ 85-264Vac input, 0-100% load)				
PARD (20MHz)	< 100mVpp				
Hold-up Time	> 15ms @ 115Vac, > 80ms @ 230Vac				> 30ms @ 115Vac & 230Vac
INPUT					
Phase Input	Single Phase				
Input Voltage Range	85-264Vac (DC input range 125-375Vdc) ¹⁾				
Input Frequency	47-63Hz				
Input Current	< 0.75A @ 115Vac, < 0.50A @ 230Vac	< 1.10A @ 115Vac, < 0.70A @ 230Vac	< 1.35A @ 115Vac, < 0.90A @ 230Vac	< 2.00A @ 115Vac, < 1.10A @ 230Vac	< 1.70A @ 115Vac, < 1.00A @ 230Vac
Efficiency ²⁾ at 100% Load	> 85.0% @ 115Vac, > 86.0% @ 230Vac	> 84.0% @ 115Vac & 230Vac	> 86.0% @ 115Vac, > 87.0% @ 230Vac	> 84.0% @ 115Vac, > 86.0% @ 230Vac	> 87.0% @ 115Vac, > 88.0% @ 230Vac
Max Inrush Current (Cold Start)	< 30A @ 115Vac, < 60A @ 230Vac	< 30A @ 115Vac, < 65A @ 230Vac	< 50A @ 115Vac, < 100A @ 230Vac	< 60A @ 115Vac, < 130A @ 230Vac	< 60A @ 115Vac, < 120A @ 230Vac
Power Factor	Conform to EN 61000-3-2			Conform to EN 61000-3-2	> 0.99 @ 115Vac, > 0.90 @ 230Vac
Leakage Current	< 1mA @ 240Vac				
MECHANICAL					
Case Cover / Chassis	Aluminium				
Dimensions (L x W x D)	98 x 97 x 38 mm	128 x 97 x 38 mm	128 x 97 x 38 mm	158 x 97 x 38 mm	178 x 97 x 38 mm
Unit Weight	0.21 kg	0.26 kg	0.28 kg	0.45 kg	0.54 kg
Cooling System	Convection				
MTBF ³⁾	> 700,000 hrs	> 700,000 hrs	> 700,000 hrs	> 700,000 hrs	> 700,000 hrs
ENVIRONMENT					
Operating Temperature	-10°C to +70°C		-20°C to +70°C	-10°C to +70°C	
Storage Temperature	-25°C to +85°C				
Power De-rating	> 50°C (2.5% / °C)		< -10°C (2% / °C); > 50°C (2.5% / °C)	> 50°C (2.5% / °C)	
Operating Humidity	5 to 95% RH (Non-Condensing)				
Operating Altitude	0 to 3,000m				

Notes

- 1) All models are certified for DC Input except PMC-12V150W1B□ which still fulfills the test conditions of this range.
- 2) At 25°C ambient temperature by vertical mounting orientation.
- 3) MTBF as per Telcordia SR-332 (Confidence level: 90%, I/P: 115Vac, O/P: 100% load) for vertical mounting orientation.
- 4) All parameters are specified at 25°C ambient temperature unless otherwise indicated.

MECHANICAL DRAWINGS



*Units in mm

	PMC-12V035W1AA	PMC-12V050W1AA	PMC-12V060W1NA	PMC-12V100W1AA	PMC-12V150W1B□
Input / Output Terminal	M3.5 x 5 Pins (Rated 300V/15A)	M3.5 x 5 Pins (Rated 300V/15A)	M3.5 x 5 Pins (Rated 300V/15A)	M3.5 x 7 Pins (Rated 300V/15A)	- PMC-12V150W1BA: M3.5 x 7 Pins (Rated 300V/15A) - PMC-12V150W1BJ: M3.5 x 7 Pins (Rated 300V/20A) - PMC-12V150W1BL: M3.5 x 7 Pins (Rated 300V/15A)
Input / Output Wire	AWG 22-14	AWG 22-14	AWG 22-14	AWG 22-14	- PMC-12V150W1BA: AWG 18-14 - PMC-12V150W1BJ: AWG 18-12 - PMC-12V150W1BL: AWG 18-14

DIN Rail Power Supply

DIN Rail Modules

Panel Mount Power Supply

Open Frame Power Supply

PMC Panel Mount Power Supply

24V Output



PMC

HIGHLIGHTS & FEATURES

- Universal AC input voltage
- Power will not de-rate for the entire input voltage range
- Full corrosion resistant aluminium chassis
- Conforms to harmonic current IEC/EN 61000-3-2, Class A
- High MTBF > 700,000 hrs per Telcordia SR-332
- Safety approval according to IEC/EN/UL 60950-1 (ITE standard) and EMI to EN 55022, Class B
- Also available: IP20 connector

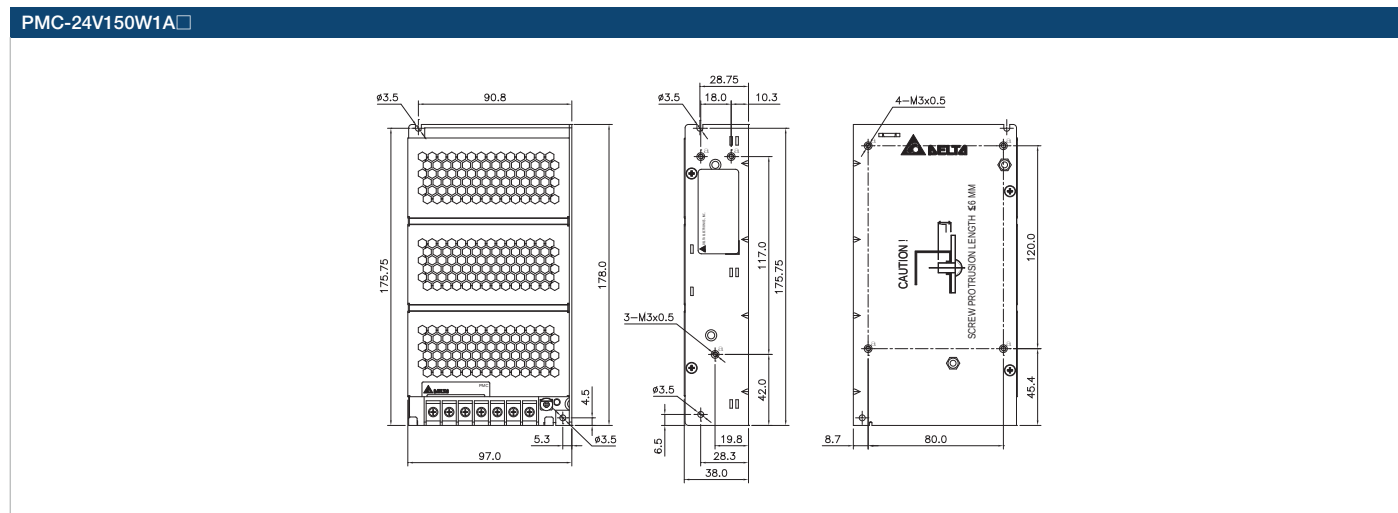
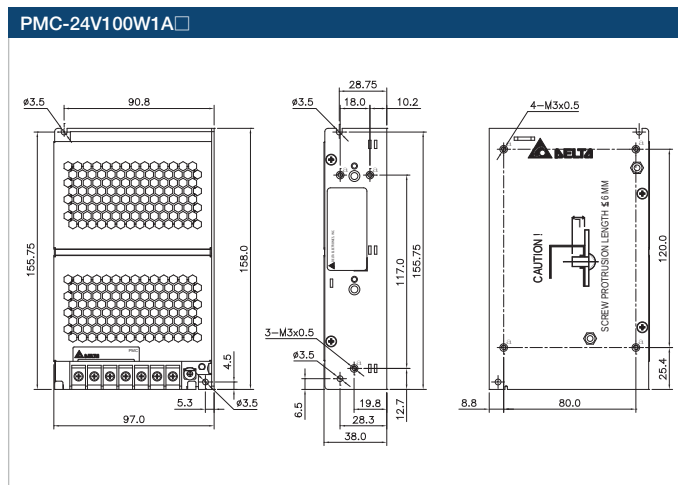
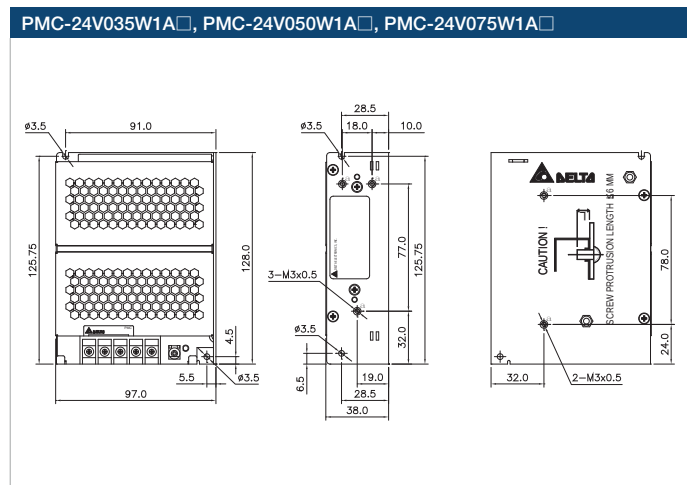
GENERAL SPECIFICATIONS

OUTPUT	PMC-24V035W1A□	PMC-24V050W1A□	PMC-24V075W1A□	PMC-24V100W1A□	PMC-24V150W1A□
Output Voltage	24V	24V	24V	24V	24V
Output Voltage Range	22-28V	22-28V	22-28V	22-28V	22-28V
Output Current	1.46A	2.10A	3.12A	4.17A	6.25A
Output Power	35W	50W	75W	100W	150W
Line Regulation	< 0.5% typ. (@ 85-264Vac input, 100% load)				
Load Regulation	< 1% typ. (@ 85-264Vac input, 0-100% load)				
PARD (20MHz)	< 150mVpp		< 100mVpp	< 150mVpp	< 100mVpp
Hold-up Time	> 15ms @ 115Vac, > 80ms @ 230Vac	> 15ms @ 115Vac, > 90ms @ 230Vac			> 15ms @ 115Vac, > 80ms @ 230Vac
INPUT					
Phase Input	Single Phase				
Input Voltage Range	85-264Vac (DC input range 125-375Vdc) ¹⁾				
Input Frequency	47-63Hz				
Input Current	< 0.75A @ 115Vac, < 0.50A @ 230Vac	< 1.10A @ 115Vac, < 0.70A @ 230Vac	< 1.50A @ 115Vac, < 1.00A @ 230Vac	< 2.00A @ 115Vac, < 1.10A @ 230Vac	< 3.10A @ 115Vac, < 2.00A @ 230Vac
Efficiency ²⁾ at 100% Load	> 85.0% @ 115Vac & 230Vac	> 86.0% @ 115Vac & 230Vac			> 87.0% @ 115Vac, > 88.0% @ 230Vac
Max Inrush Current (Cold Start)	< 30A @ 115Vac, < 60A @ 230Vac		< 40A @ 115Vac, < 80A @ 230Vac	< 50A @ 115Vac, < 100A @ 230Vac	< 60A @ 115Vac, < 120A @ 230Vac
Power Factor	Conform to EN 61000-3-2				NA
Leakage Current	< 1mA @ 240Vac				
MECHANICAL					
Case Cover / Chassis	Aluminium				
Dimensions (L x W x D)	128 x 97 x 38 mm	128 x 97 x 38 mm	128 x 97 x 38 mm	158 x 97 x 38 mm	178 x 97 x 38 mm
Unit Weight	0.24 kg	0.26 kg	0.30 kg	0.41 kg	0.48 kg
Cooling System	Convection				
MTBF ³⁾	> 700,000 hrs	> 700,000 hrs	> 700,000 hrs	> 700,000 hrs	> 700,000 hrs
ENVIRONMENT					
Operating Temperature	-10°C to +70°C				
Storage Temperature	-25°C to +85°C				
Power De-rating	> 50°C (2.5% / °C)				
Operating Humidity	5 to 95% RH (Non-Condensing)				
Operating Altitude	0 to 3,000m				0 to 5,000m

Notes

- 1) All models are certified for DC Input.
- 2) At 25°C ambient temperature by vertical mounting orientation.
- 3) MTBF as per Telcordia SR-332 (Confidence level: 90%, I/P: 115Vac, O/P: 100% load) for vertical mounting orientation.
- 4) All parameters are specified at 25°C ambient temperature unless otherwise indicated.

MECHANICAL DRAWINGS



*Units in mm

	PMC-24V035W1A□	PMC-24V050W1A□	PMC-24V075W1A□	PMC-24V100W1A□	PMC-24V150W1A□
Input / Output Terminal	- PMC-24V035W1AA: M3.5 x 5 Pins (Rated 300V/15A) - PMC-24V035W1AJ: M3.5 x 5 Pins (Rated 300V/20A)	- PMC-24V050W1AA: M3.5 x 5 Pins (Rated 300V/15A) - PMC-24V050W1AJ: M3.5 x 5 Pins (Rated 300V/20A)	- PMC-24V075W1AA: M3.5 x 5 Pins (Rated 300V/15A) - PMC-24V075W1AJ: M3.5 x 5 Pins (Rated 300V/20A)	- PMC-24V100W1AA: M3.5 x 7 Pins (Rated 300V/15A) - PMC-24V100W1AJ: M3.5 x 7 Pins (Rated 300V/20A)	- PMC-24V150W1AA: M3.5 x 7 Pins (Rated 300V/15A) - PMC-24V150W1AJ: M3.5 x 7 Pins (Rated 300V/20A)
Input / Output Wire	AWG 22-12	AWG 22-12	AWG 22-12	AWG 22-12	- PMC-24V150W1AA: AWG 22-14 - PMC-24V150W1AJ: AWG 22-12

DIN Rail Power Supply

DIN Rail Modules

Panel Mount Power Supply

Open Frame Power Supply

PMC Panel Mount Power Supply

24V Output



PMC

HIGHLIGHTS & FEATURES

- Universal AC input voltage
- Power will not de-rate for the entire input voltage range
- Full corrosion resistant aluminium chassis (except PMC-24V600W1BA)
- Conforms to harmonic current IEC/EN 61000-3-2, Class A
- High MTBF > 700,000 hrs per Telcordia SR-332
- Safety approval according to IEC/EN/UL 60950-1 (ITE standard) and EMI to EN 55022, Class B
- Also available: IP20 and Front Face connectors

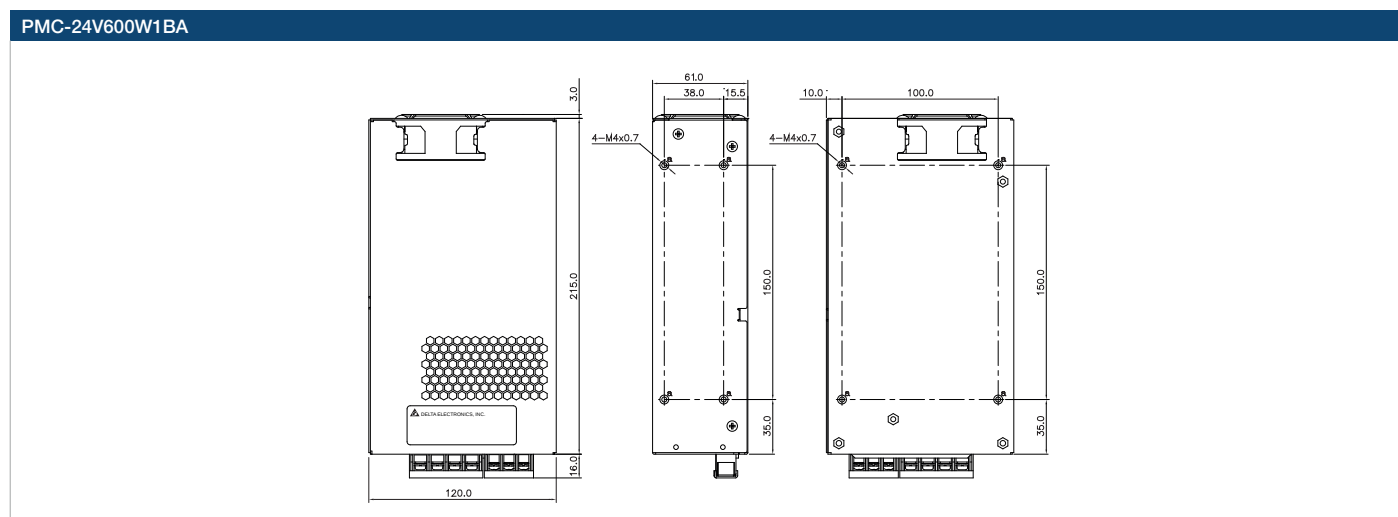
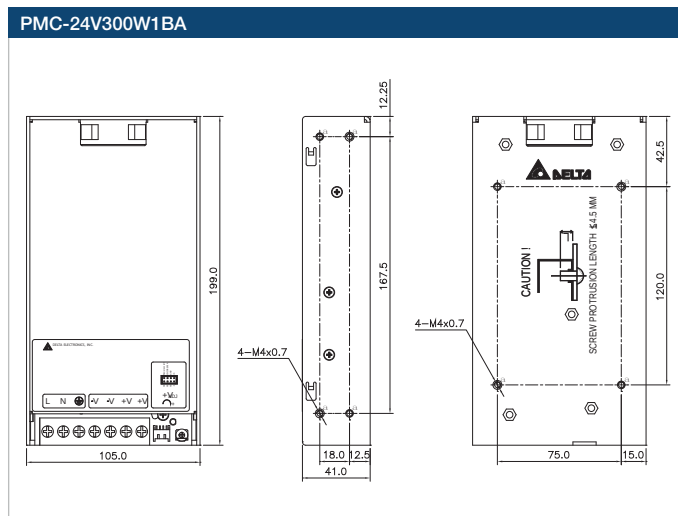
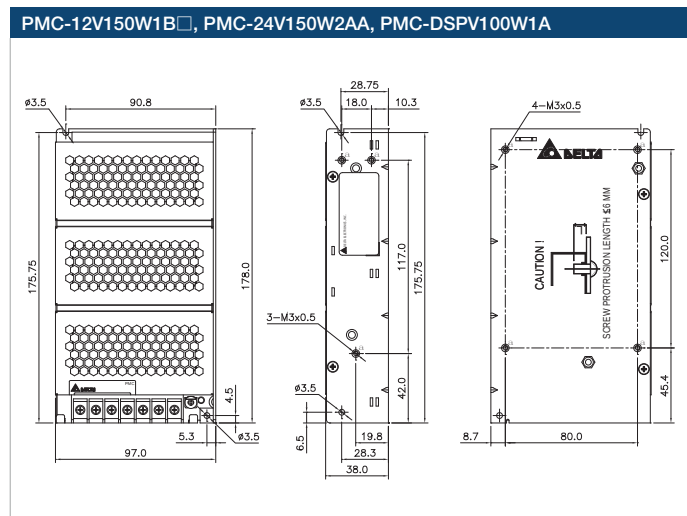
GENERAL SPECIFICATIONS

		NEW		NEW	
OUTPUT	PMC-24V150W2AA	PMC-24V150W1B□	PMC-24V300W1BA	PMC-24V600W1BA	PMC-DSPV100W1A
Output Voltage	24V	24V	V1: 24V, V2 SB: 12V	24V	V1: 24V, V2: 5V
Output Voltage Range	22-28V	22-28V	V1: 22-28V	21.6-26.4V	V1: 22.8-26.4V
Output Current	6.25A	6.25A	V1: 12.5A, V2 SB: 0.50A	25.0A (50.0A for 5s)	V1: 4.00A, V2: 7.00A
Output Power	150W	150W	300W	600W (1,200W for 5s)	100W
Line Regulation	< 0.5% typ. (@ 170-264Vac input, 100% load)	< 0.5% typ. (@ 85-264Vac input, 100% load)	< 0.5% typ. (@ 85-264Vac input, 100% load)		
Load Regulation	< 1% typ. (@ 170-264Vac input, 0-100% load)	< 1% typ. (@ 85-264Vac input, 0-100% load)	< 1% typ. (@ 85-264Vac input, 0-100% load)		
PARD (20MHz)	< 100mVpp		V1: < 100mVpp, V2: < 200mVpp	< 180mVpp	V1: < 200mVpp, V2: < 80mVpp
Hold-up Time	> 20ms @ 230Vac	> 30ms @ 115Vac & 230Vac	> 15ms @ nominal input, 100% load	> 20ms @ 115Vac & 230Vac	> 15ms @ 115Vac, > 80ms @ 230Vac
INPUT					
Phase Input	Single Phase				
Input Voltage Range	180-264Vac (DC input range 220-375Vdc) ¹⁾	85-264Vac (DC input range 125-375Vdc) ¹⁾		85-264Vac (DC input range 120-370Vdc) ¹⁾	85-264Vac (DC input range 125-375Vdc) ¹⁾
Input Frequency	47-63Hz				
Input Current	< 1.60A @ 230Vac	< 1.70A @ 115Vac, < 1.00A @ 230Vac	< 4.00A @ 115Vac, < 2.00A @ 230Vac	< 6.50A @ 115Vac, < 3.20A @ 230Vac	< 2.00A @ 115Vac, < 1.10A @ 230Vac
Efficiency ²⁾ at 100% Load	> 87.0% @ 230Vac	> 89.0% @ 115Vac, > 91.0% @ 230Vac	> 86.0% @ 115Vac, > 88.0% @ 230Vac	> 86.0% @ 115Vac, > 89.0% @ 230Vac	> 84.0% @ 115Vac, > 86.0% @ 230Vac
Max Inrush Current (Cold Start)	< 120A @ 230Vac	< 60A @ 115Vac, < 120A @ 230Vac	< 35A @ 115Vac, < 70A @ 230Vac	< 20A @ 115Vac, < 40A @ 230Vac	< 50A @ 115Vac, < 100A @ 230Vac
Power Factor	Conform to EN 61000-3-2	> 0.99 @ 115Vac, > 0.90 @ 230Vac	> 0.99 @ 115Vac, > 0.97 @ 230Vac	> 0.99 @ 115Vac, > 0.94 @ 230Vac	Conform to EN 61000-3-2
Leakage Current	< 1mA @ 240Vac			< 1.5mA @ 240Vac	< 1mA @ 240Vac
MECHANICAL					
Case Cover / Chassis	Aluminium				
Dimensions (L x W x D)	178 x 97 x 38 mm	178 x 97 x 38 mm	199 x 105 x 41 mm	215 x 120 x 61 mm	178 x 97 x 38 mm
Unit Weight	0.50 kg	0.54 kg	0.82 kg	1.60 kg	0.52 kg
Cooling System	Convection		Forced Cooling		Convection
MTBF ³⁾	> 700,000 hrs	> 700,000 hrs	> 700,000 hrs	> 300,000 hrs	> 700,000 hrs
ENVIRONMENT					
Operating Temperature	-10°C to +70°C			-20°C to +70°C	-10°C to +70°C
Storage Temperature	-25°C to +85°C			-20°C to +75°C	-25°C to +85°C
Power De-rating	> 50°C (2.5% / °C)				
Operating Humidity	5 to 95% RH (Non-Condensing)				
Operating Altitude	0 to 3,000m	0 to 5,000m	0 to 3,000m		

Notes

- 1) All models fulfill the test conditions for this range while PMC-24V150W2AA and PMC-DSPV100W1A are also certified for DC input.
- 2) At 25°C ambient temperature by vertical mounting orientation.
- 3) MTBF as per Telcordia SR-332 (Confidence level: 90%, I/P: 115Vac, O/P: 100% load) for vertical mounting orientation. For PMC-24V300W1BA and PMC-24V600W1BA models, MTBF calculations do not include fan life time.
- 4) All parameters are specified at 25°C ambient temperature unless otherwise indicated.

MECHANICAL DRAWINGS



*Units in mm

	PMC-24V150W2AA	PMC-24V150W1B□	PMC-24V300W1BA	PMC-24V600W1BA	PMC-DSPV100W1A
Input / Output Terminal	M3.5 x 7 Pins (Rated 300V/15A)	- PMC-24V150W1BA: M3.5 x 7 Pins (Rated 300V/15A) - PMC-24V150W1BJ: M3.5 x 7 Pins (Rated 300V/20A) - PMC-24V150W1BL: M3.5 x 7 Pins (Rated 300V/15A)	M3.5 x 7 Pins (Rated 300V/20A)	I/P: M4 x 3 Pins (Rated 300V/20A) O/P: M4 x 4 Pins (Rated 300V/25A)	M3.5 x 7 Pins (Rated 300V/15A)
Input / Output Wire	AWG 22-14	- PMC-24V150W1BA: AWG 18-14 - PMC-24V150W1BJ: AWG 18-12 - PMC-24V150W1BL: AWG 18-14	AWG 20-16	AWG 14-12	AWG 22-14

PMC Panel Mount Power Supply

48V Output



PMC

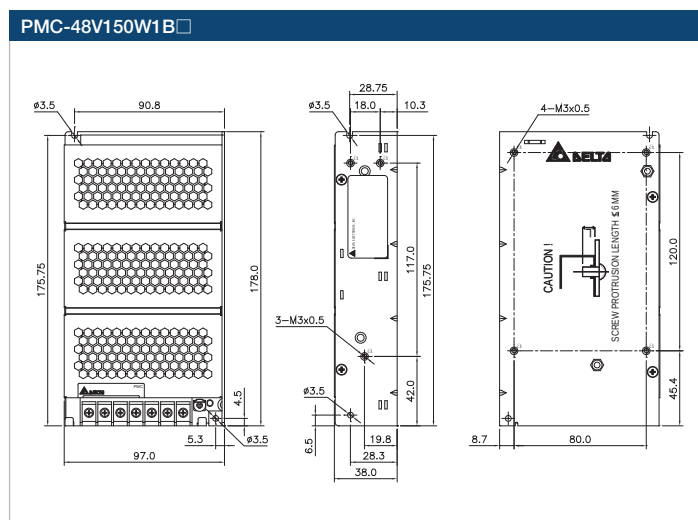
HIGHLIGHTS & FEATURES

- Universal AC input voltage
- Power will not de-rate for the entire input voltage range
- Full corrosion resistant aluminium chassis
- Conforms to harmonic current IEC/EN 61000-3-2, Class A
- High MTBF > 700,000 hrs per Telcordia SR-332
- Safety approval according to IEC/EN/UL 60950-1 (ITE standard) and EMI to EN 55022, Class B
- Also available: IP20 and Front Face connectors

GENERAL SPECIFICATIONS

OUTPUT	PMC-48V150W1B□
Output Voltage	48V
Output Voltage Range	44-53V
Output Current	3.125A
Output Power	150W
Line Regulation	< 0.5% typ. (@ 85-264Vac input, 100% load)
Load Regulation	< 1% typ. (@ 85-264Vac input, 0-100% load)
PARD (20MHz)	< 200mVpp
Hold-up Time	> 30ms @ 115Vac & 230Vac
INPUT	
Phase Input	Single Phase
Input Voltage Range	85-264Vac (DC input range 125-375Vdc) ¹⁾
Input Frequency	47-63Hz
Input Current	< 1.70A @ 115Vac, < 1.00A @ 230Vac
Efficiency ²⁾ at 100% Load	> 89.0% @ 115Vac, > 91.0% @ 230Vac
Max Inrush Current (Cold Start)	< 20A @ 115Vac, < 40A @ 230Vac
Power Factor	> 0.99 @ 115Vac, > 0.92 @ 230Vac
Leakage Current	< 1.5mA @ 240Vac
MECHANICAL	
Case Cover / Chassis	Aluminium
Dimensions (L x W x D)	178 x 97 x 38 mm
Unit Weight	0.53 kg
Cooling System	Convection
MTBF ³⁾	> 700,000 hrs
ENVIRONMENT	
Operating Temperature	-10°C to +70°C
Storage Temperature	-25°C to +85°C
Power De-rating	> 50°C (2.5% / °C)
Operating Humidity	5 to 95% RH (Non-Condensing)
Operating Altitude	0 to 5,000m

MECHANICAL DRAWINGS



*Units in mm

	PMC-48V150W1B□
Input / Output Terminal	• PMC-48V150W1BA: M3.5 x 7 Pins (Rated 300V/15A) • PMC-48V150W1BJ: M3.5 x 7 Pins (Rated 300V/20A) • PMC-48V150W1BL: M3.5 x 7 Pins (Rated 300V/15A)
Input / Output Wire	• PMC-48V150W1BA: AWG 20-14 • PMC-48V150W1BJ: AWG 20-12 • PMC-48V150W1BL: AWG 20-14

Notes

- 1) All models fulfill the test conditions for DC Input.
- 2) At 25°C ambient temperature by vertical mounting orientation.
- 3) MTBF as per Telcordia SR-332 (Confidence level: 90%, I/P: 115Vac, O/P: 100% load) for vertical mounting orientation.
- 4) All parameters are specified at 25°C ambient temperature unless otherwise indicated.

PMH Panel Mount Power Supply

24V Output

PMH

HIGHLIGHTS & FEATURES

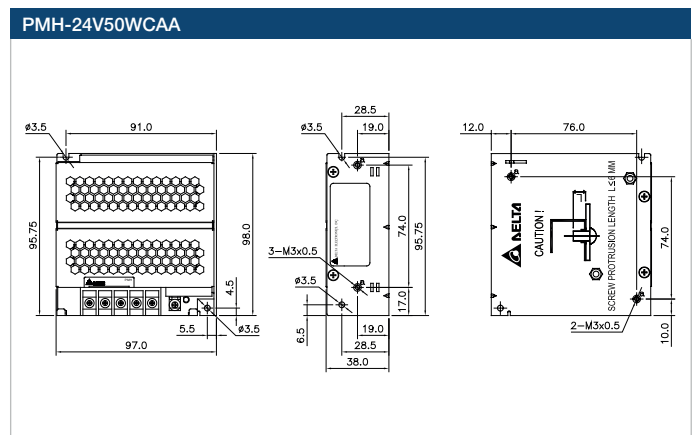
- Universal AC input voltage
- Power will not de-rate for the entire input voltage range
- Full corrosion resistant aluminium chassis
- High MTBF > 700,000 hrs per Telcordia SR-332
- Additional safety approval to EN 60335-1 (Household) and EN 61558-1 (Transformers for SMPS)
- Also available: IP20, Front Face and Harness connectors



GENERAL SPECIFICATIONS

	NEW
OUTPUT	PMH-24V50WCAA
Output Voltage	24V
Output Voltage Range	22-28V
Output Current	2.10A
Output Power	50W
Line Regulation	< 0.5% typ. (@ 85-264Vac input, 100% load)
Load Regulation	< 1% typ. (@ 85-264Vac input, 0-100% load)
PARD (20MHz)	< 150mVpp
Hold-up Time	> 15ms @ 115Vac, > 90ms @ 230Vac
INPUT	
Phase Input	Single Phase
Input Voltage Range	85-264Vac (DC input range 125-375Vdc) ¹⁾
Input Frequency	47-63Hz
Input Current	< 1.10A @ 115Vac, < 0.70A @ 230Vac
Efficiency ²⁾ at 100% Load	> 86.0% @ 115Vac & 230Vac
Max Inrush Current (Cold Start)	< 35A @ 115Vac, < 70A @ 230Vac
Power Factor	Conform to EN 61000-3-2
Leakage Current	< 1mA @ 240Vac
MECHANICAL	
Case Cover / Chassis	Aluminium
Dimensions (L x W x D)	98 x 97 x 38 mm
Unit Weight	0.21 kg
Cooling System	Convection
input / Output Terminal	M3.5 x 5 Pins (Rated 300V/15A)
Input / Output Wire	AWG 20-14
MTBF ³⁾	> 700,000 hrs
ENVIRONMENT	
Operating Temperature	-10°C to +70°C
Storage Temperature	-25°C to +85°C
Power De-rating	> 50°C (2.5% / °C)
Operating Humidity	5 to 95% RH (Non-Condensing)
Operating Altitude	0 to 5,000m

MECHANICAL DRAWINGS



*Units in mm

Notes

- 1) All models are certified for DC Input
- 2) At 25°C ambient temperature by vertical mounting orientation
- 3) MTBF as per Telcordia SR-332 (Confidence level: 90%, I/P: 115Vac, O/P: 100% load) for vertical mounting orientation
- 4) All parameters are specified at 25°C ambient temperature unless otherwise indicated

PMF Panel Mount Power Supply

5V, 24V Output



PMF

HIGHLIGHTS & FEATURES

- Universal AC input voltage
- Built-in active PFC and fan speed control
- Full corrosion resistant aluminium chassis
- Conforms to harmonic current IEC/EN 61000-3-2, Class D
- Remote ON/OFF is available as an option
- Short Circuit / Overvoltage / Overcurrent / Over Temperature Protections

GENERAL SPECIFICATIONS

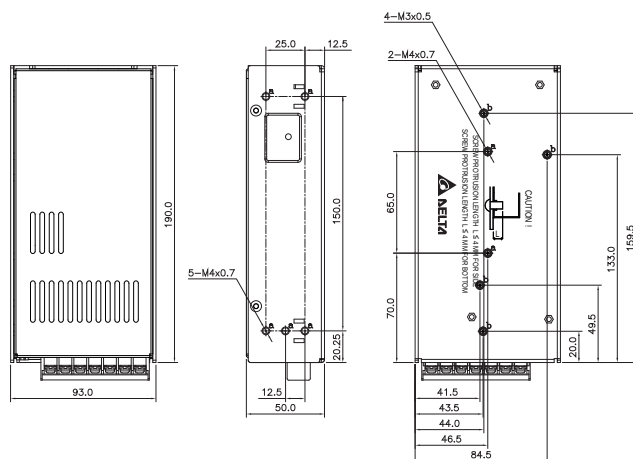
	PRELIMINARY	NEW	NEW	PRELIMINARY
OUTPUT	PMF-5V320WC□□	PMF-24V200WC□□	PMF-24V240WC□□	PMF-24V320WC□□
Output Voltage	5V	24V	24V	24V
Output Voltage Range	4.50-5.50V	21.6-26.4V	21.6-26.4V	21.6-26.4V
Output Current	55.0A	8.40A	10.0A	13.3A
Output Power	275W	201.6W	240W	320W
Line Regulation			< 0.5%	
Load Regulation	< 1%		< 0.5%	< 1%
PARD (20MHz)			150mVpp	
Hold-up Time	16ms typ. @ 115Vac & 230Vac		20ms typ. @ 115Vac & 230Vac	
INPUT				
Phase Input			Single Phase	
Input Voltage Range			85-264Vac	
Input Frequency			47-63Hz	
Input Current	5.00A typ. @ 115Vac, 2.50A typ. @ 230Vac	3.50A typ. @ 115Vac, 1.70A typ. @ 230Vac	3.60A typ. @ 115Vac, 1.80A typ. @ 230Vac	5.00A typ. @ 115Vac, 2.50A typ. @ 230Vac
Efficiency ¹⁾ at 100% Load	78.5% typ. @ 230Vac		87.0% typ. @ 230Vac	
Max Inrush Current (Cold Start)		30A typ. @ 115Vac, 50A typ. @ 230Vac	35A typ. @ 115Vac, 60A typ. @ 230Vac	20A typ. @ 115Vac, 40A typ. @ 230Vac
Power Factor			0.98 typ. @ 115Vac, 0.95 typ. @ 230Vac	
Leakage Current	< 1mA @ 240Vac	< 0.5mA @ 240Vac	< 0.6mA @ 240Vac	< 1mA @ 240Vac
MECHANICAL				
Case Cover / Chassis			Aluminium	
Dimensions (L x W x D)	215 x 115 x 50 mm	190 x 93 x 50 mm	190 x 93 x 50 mm	215 x 115 x 50 mm
Unit Weight	0.80 kg	0.66 kg	0.66 kg	0.80 kg
Cooling System			Forced Cooling	
MTBF ²⁾	> 700,000 hrs	> 700,000 hrs	> 700,000 hrs	> 700,000 hrs
ENVIRONMENT				
Operating Temperature			-10°C to +70°C	
Storage Temperature			-20°C to +85°C	
Power De-rating			> 50°C (2.5% / °C)	
Operating Humidity			5 to 95% RH (Non-Condensing)	
Operating Altitude			0 to 5,000m	

Notes

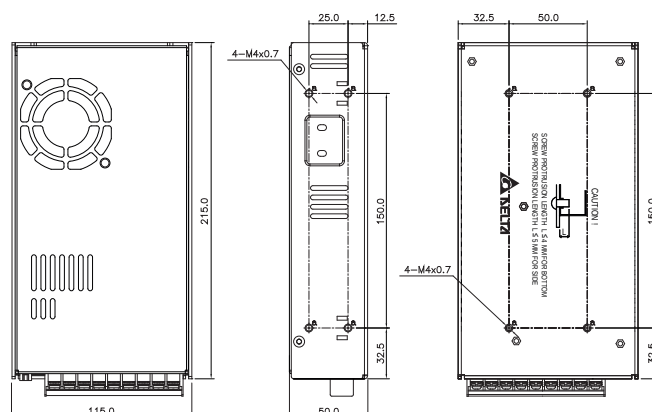
- 1) At 25°C ambient temperature by vertical mounting orientation.
- 2) MTBF as per Telcordia SR-332 (Confidence level: 90%, I/P: 100Vac, O/P: 100% load, Ta: 35°C). MTBF calculations do not include fan life time.
- 3) All parameters are specified at 25°C ambient temperature unless otherwise indicated.

MECHANICAL DRAWINGS

PMF-24V200WC□□, PMF-24V240WC□□



PMF-5V320WC□□, PMF-24V320WC□□



*Units in mm

	PMF-5V320WC□□	PMF-24V200WC□□	PMF-24V240WC□□	PMF-24V320WC□□
Input / Output Terminal	- PMF-5V320WCA□□: M3.5 x 9 Pins (Rated 300V/15A) - PMF-5V320WCG□□: M3.5 x 9 Pins (Rated 300V/20A)	- PMF-24V200WCA□□: M3.5 x 7 Pins (Rated 300V/15A) - PMF-24V200WCG□□: M3.5 x 7 Pins (Rated 300V/20A)	- PMF-24V240WCA□□: M3.5 x 7 Pins (Rated 300V/15A) - PMF-24V240WCG□□: M3.5 x 7 Pins (Rated 300V/20A)	- PMF-24V320WCA□□: M3.5 x 9 Pins (Rated 300V/15A) - PMF-24V320WCG□□: M3.5 x 9 Pins (Rated 300V/20A)
Input / Output Wire	AWG 14-12**	AWG 20-12	AWG 20-12	AWG 20-12

**Only use wire that can withstand operating temperature of more than 125°C.

DIN Rail Power Supply

DIN Rail Modules

Panel Mount Power Supply

Open Frame Power Supply

PMR Panel Mount Power Supply

4.2V, 5V Output



PMR

HIGHLIGHTS & FEATURES

- Universal AC input voltage
- Full corrosion resistant aluminium chassis
- Built-in active PFC and conforms to harmonic current IEC/EN 61000-3-2, Class A and Class D
- Low profile with 30mm thickness
- Conformal coating on PCBAs is available as an option

GENERAL SPECIFICATIONS

	PRELIMINARY	PRELIMINARY	PRELIMINARY
OUTPUT	PMR-4V320WD□□	PMR-5V320WD□□	PMR-5V320WC□□
Output Voltage	4.2V	5V	5V
Output Voltage Range	3.78-4.62V	4.50-5.50V	4.50-5.50V
Output Current	60.0A	60.0A	60.0A
Output Power	252W	300W	300W
Line Regulation	< 0.5%		
Load Regulation	< 1%		
PARD (20MHz)	150mVpp		
Hold-up Time	20ms typ.		8ms typ.
INPUT			
Phase Input	Single Phase		
Input Voltage Range	88-264Vac		
Input Frequency	47-63Hz		
Input Current	4.50A typ. @ 115Vac, 2.50A typ. @ 230Vac	4.50A typ. @ 115Vac, 2.50A typ. @ 230Vac	4.50A typ. @ 115Vac, 2.50A typ. @ 230Vac
Efficiency ¹⁾ at 100% Load	85.0% typ. @ 115Vac, 87.0% typ. @ 230Vac	86.0% typ. @ 115Vac, 88.0% typ. @ 230Vac	81.0% typ. @ 115Vac, 84.0% typ. @ 230Vac
Max Inrush Current (Cold Start)	20A typ. @ 115Vac, 40A typ. @ 230Vac		
Power Factor	0.98 typ. @ 115Vac, 0.95 typ. @ 230Vac		
Leakage Current	< 1mA @ 240Vac		
MECHANICAL			
Case Cover / Chassis	Aluminium		
Dimensions (L x W x D)	215 x 115 x 30 mm	215 x 115 x 30 mm	215 x 115 x 30 mm
Unit Weight	TBA	TBA	TBA
Cooling System	Convection		Forced Cooling
MTBF ²⁾	> 700,000 hrs	> 700,000 hrs	> 700,000 hrs
ENVIRONMENT			
Operating Temperature	-10°C to +70°C		
Storage Temperature	-40°C to +85°C		
Power De-rating	> 40°C (1.67% / °C)		> 50°C (2.5% / °C)
Operating Humidity	5 to 95% RH (Non-Condensing)		
Operating Altitude	0 to 5,000m		

Notes

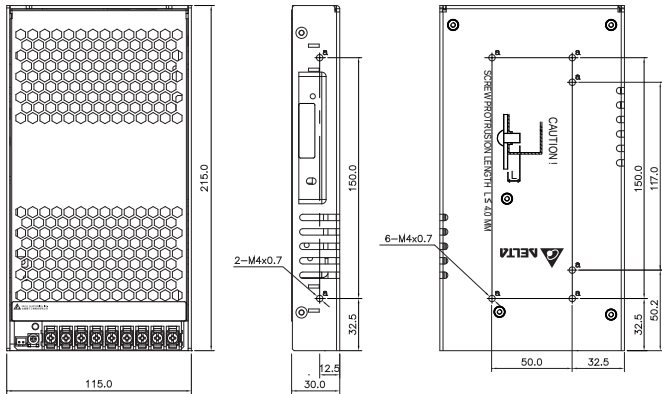
1) At 25°C ambient temperature by vertical mounting orientation.

2) MTBF as per Telcordia SR-332 (Confidence level: 90%, I/P: 100Vac, O/P: 100% load, Ta: 35°C). For PMR-5V320WC□□, MTBF calculation does not include fan life time.

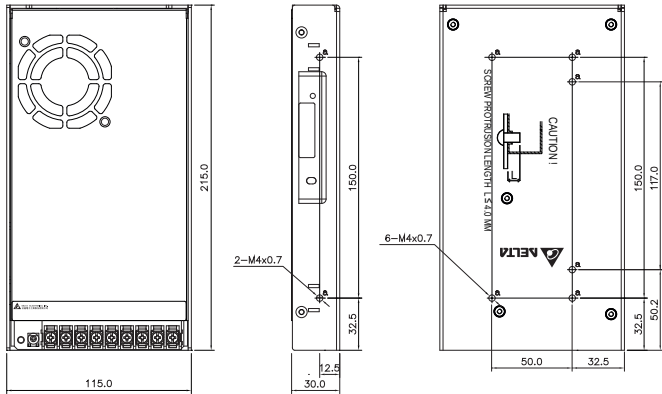
3) All parameters are specified at 25°C ambient temperature unless otherwise indicated.

MECHANICAL DRAWINGS

PMR-4V320WD□□, PMR-5V320WD□□



PMR-5V320WC□□



*Units in mm

	PMR-4V320WD□□	PMR-5V320WD□□	PMR-5V320WC□□
Input / Output Terminal	- PMR-4V320WDAA: M3.5 x 9 Pins (Rated 300V/15A) - PMR-4V320WDGA: M3.5 x 9 Pins (Rated 300V/20A)	- PMR-5V320WDAA: M3.5 x 9 Pins (Rated 300V/15A) - PMR-5V320WDGA: M3.5 x 9 Pins (Rated 300V/20A)	- PMR-5V320WCAA: M3.5 x 9 Pins (Rated 300V/15A) - PMR-5V320WCGA: M3.5 x 9 Pins (Rated 300V/20A)
Input / Output Wire	- PMR-4V320WDAA: AWG 22-14 - PMR-4V320WDGA: AWG 22-12	- PMR-5V320WDAA: AWG 22-14 - PMR-5V320WDGA: AWG 22-12	- PMR-5V320WCAA: AWG 22-14 - PMR-5V320WCGA: AWG 22-12

DIN Rail Power Supply

DIN Rail Modules

Panel Mount Power Supply

Open Frame Power Supply

PMT Panel Mount Power Supply

4.2V, 5V Output



PMT

HIGHLIGHTS & FEATURES

- AC input voltage selectable by switch (Universal AC input voltage for selected models)
- Conforms to harmonic current IEC/EN 61000-3-2, Class A
- High MTBF > 700,000 hrs per Telcordia SR-332
- Short Circuit / Overvoltage / Overload / Over Temperature Protections
- Versatile configuration options (for 35W and 50W):
 - L Frame
 - Enclosed

GENERAL SPECIFICATIONS

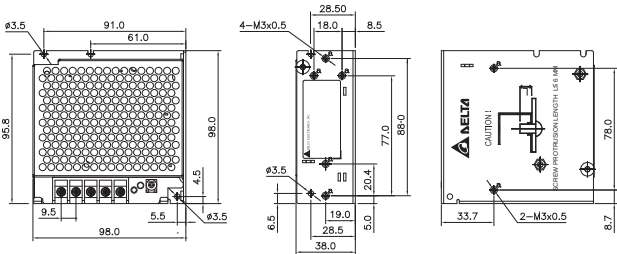
		PRELIMINARY		PRELIMINARY	
OUTPUT	PMT-4V350W1A□	PM□-5V35W1A□	PM□-5V50W1A□	PMT-5V350W1A□	
Output Voltage	4.2V	5V	5V	5V	
Output Voltage Range	3.78-4.70V	4.50-5.50V	4.50-5.50V	4.50-5.50V	
Output Current	60.0A	7.00A	10.0A	60.0A	
Output Power	252W	35W	50W	300W	
Line Regulation	< 0.5%				
Load Regulation	< 2.5%	< 1%		< 2.5%	
PARD (20MHz)	< 150mVpp	< 80mVpp		< 150mVpp	
Hold-up Time	20ms typ. @ 230Vac	20ms typ. @ 115Vac, > 50ms typ. @ 230Vac		20ms typ. @ 230Vac	
INPUT					
Phase Input	Single Phase				
Input Voltage Range	90-132Vac, 180-264Vac (Selectable by Switch)	90-264Vac		90-132Vac, 180-264Vac (Selectable by Switch)	
Input Frequency	47-63Hz				
Input Current	7.00A typ. @ 115Vac, 4.00A typ. @ 230Vac	0.75A typ. @ 115Vac, 0.50A typ. @ 230Vac	1.10A typ. @ 115Vac, 0.65A typ. @ 230Vac	7.00A typ. @ 115Vac, 4.00A typ. @ 230Vac	
Efficiency ¹⁾ at 100% Load	76.0% typ. @ 230Vac	81.0% typ. @ 230Vac	82.0% typ. @ 230Vac	78.0% typ. @ 230Vac	
Max Inrush Current (Cold Start)	40A typ. @ 115Vac, 60A typ. @ 230Vac	45A typ. @ 230Vac		40A typ. @ 115Vac, 60A typ. @ 230Vac	
Power Factor	NA	Conform to EN 61000-3-2		NA	
Leakage Current	< 1mA @ 240Vac	< 0.5mA @ 240Vac		< 1mA @ 240Vac	
MECHANICAL					
Case Cover / Chassis	Aluminium	SGCC / Aluminium		Aluminium	
Dimensions (L x W x D)	215 x 115 x 50 mm	98 x 98 x 38 mm	98 x 98 x 38 mm	215 x 115 x 50 mm	
Unit Weight	0.81 kg	0.23 kg	0.23 kg	0.81 kg	
Cooling System	Forced Cooling	Convection		Forced Cooling	
MTBF ²⁾	> 700,000 hrs	> 700,000 hrs	> 700,000 hrs	> 700,000 hrs	
ENVIRONMENT					
Operating Temperature	-10°C to +70°C				
Storage Temperature	-25°C to +85°C				
Power De-rating	> 50°C (4% / °C); > 60°C (1% / °C)	> 50°C (2.5% / °C)		> 50°C (4% / °C); > 60°C (1% / °C)	
Operating Humidity	5 to 95% RH (Non-Condensing)				
Operating Altitude	0 to 5,000m				

Notes

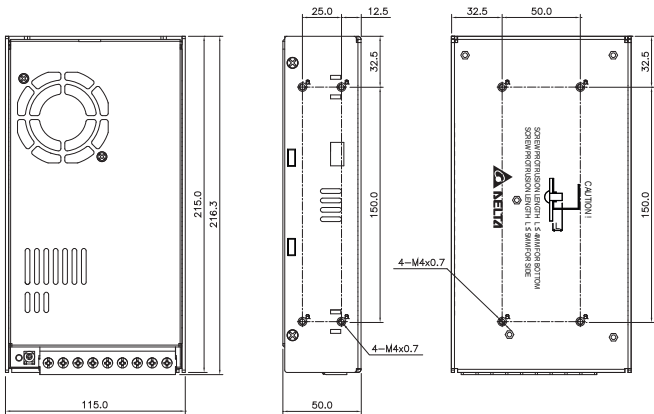
- 1) Efficiency: O/P 100% load, Ta: 25°C at Vertical Mounting Orientation.
- 2) MTBF as per Telcordia SR-332 (Confidential level: 90%, I/P: 100Vac, O/P: 100% load, Ta: 35°C). For PMT-4V350W1A□ and PMT-5V350W1A□ models, MTBF calculations do not include fan life time.
- 3) All parameters are specified at 25°C ambient unless otherwise noted.

MECHANICAL DRAWINGS

PM□-5V35W1A□, PM□-5V50W1A□



PMT-4V350W1A□, PMT-5V350W1A□



*Units in mm

	PMT-4V350W1A□	PM□-5V35W1A□	PM□-5V50W1A□	PMT-5V350W1A□
Input / Output Terminal	- PMT-4V350W1A□AM: M3.5 x 9 Pins (Rated 300V/15A) - PMT-4V350W1A□AG: M3.5 x 9 Pins (Rated 300V/20A)	- PM□-5V35W1A□AA: M3.5 x 5 Pins (Rated 300V/15A) - PM□-5V35W1A□AG: M3.5 x 5 Pins (Rated 300V/20A) - PM□-5V35W1A□AH: I/P (JST): B3P5-VH, O/P (JST): B2P3-VH	- PM□-5V50W1A□AA: M3.5 x 5 Pins (Rated 300V/15A) - PM□-5V50W1A□AG: M3.5 x 5 Pins (Rated 300V/20A)	- PMT-5V350W1A□AM: M3.5 x 9 Pins (Rated 300V/15A) - PMT-5V350W1A□AG: M3.5 x 9 Pins (Rated 300V/20A)
Input / Output Wire	AWG 14-12**	- PM□-5V35W1A□AA: AWG 18-12 - PM□-5V35W1A□AG: AWG 18-12 - PM□-5V35W1A□AH: AWG 18	- PM□-5V50W1A□AA: AWG 14-12 - PM□-5V50W1A□AG: AWG 14-12	AWG 14-12**

**Only use wire that can withstand operating temperature of more than 125°C.

PMT Panel Mount Power Supply

12V Output



PMT

HIGHLIGHTS & FEATURES

- AC input voltage selectable by switch (Universal AC input voltage for selected models)
- Conforms to harmonic current IEC/EN 61000-3-2, Class A
- High MTBF > 700,000 hrs per Telcordia SR-332
- Short Circuit / Overvoltage / Overload / Over Temperature Protections
- Versatile configuration options:
 - Open Frame (35W and 50W)
 - L Frame
 - Enclosed

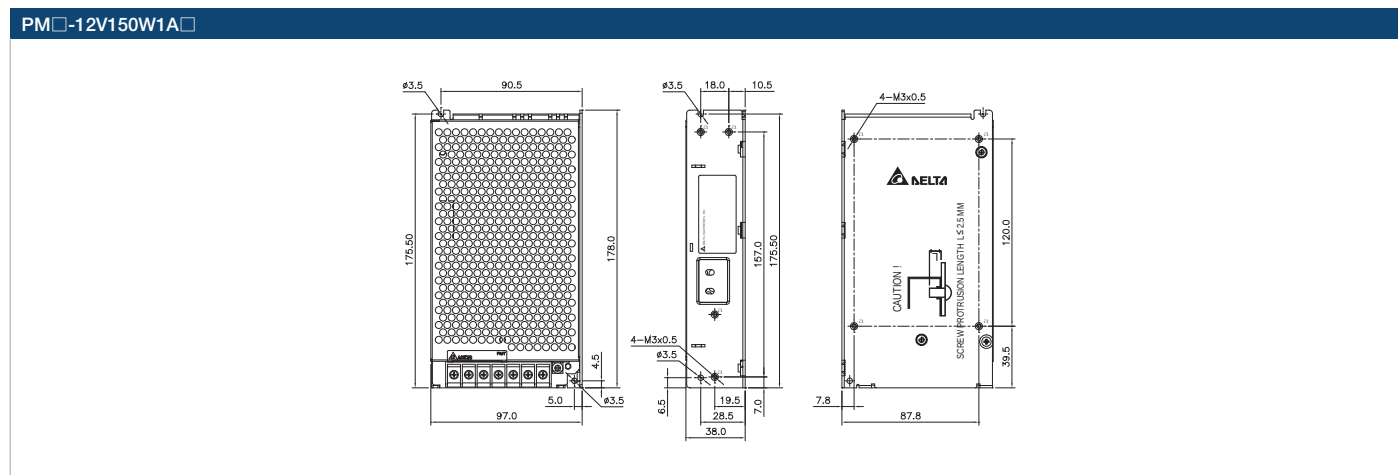
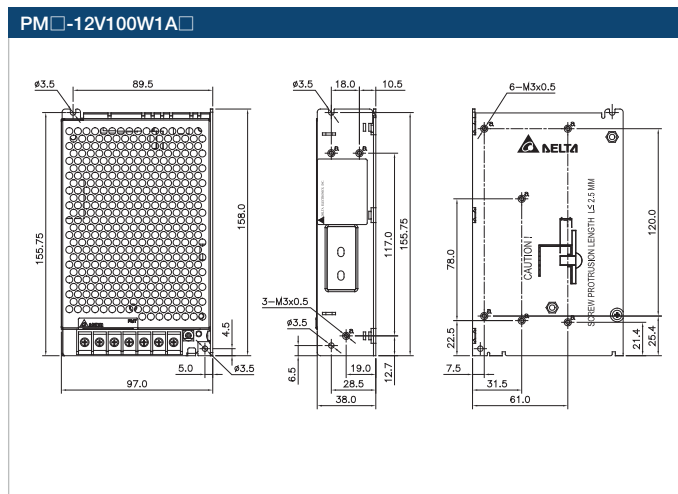
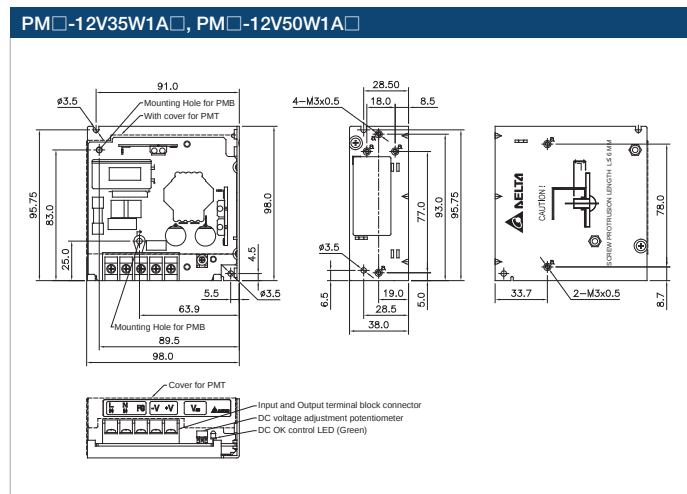
GENERAL SPECIFICATIONS

OUTPUT	PM□-12V35W1A□	PM□-12V50W1A□	PM□-12V100W1A□	PM□-12V150W1A□
Output Voltage	12V	12V	12V	12V
Output Voltage Range	11-14V	11-14V	11.4-13.2V	11.4-13.5V
Output Current	2.92A	4.17A	8.50A	12.5A
Output Power	35W	50W	102W	150W
Line Regulation	< 0.5%			
Load Regulation	< 1%		< 0.5%	
PARD (20MHz)	< 100mVpp		< 120mVpp	
Hold-up Time	16.7ms typ. @ 115Vac		25ms typ. @ 115Vac, 30ms typ. @ 230Vac	20ms typ. @ 115Vac, 24ms typ. @ 230Vac
INPUT				
Phase Input	Single Phase			
Input Voltage Range	90-264Vac		90-132Vac, 180-264Vac (Selectable by Switch)	
Input Frequency	47-63Hz			
Input Current	0.75A typ. @ 115Vac, 0.50A typ. @ 230Vac	1.10A typ. @ 115Vac, 0.70A typ. @ 230Vac	2.00A typ. @ 115Vac, 1.20A typ. @ 230Vac	3.00A typ. @ 115Vac, 2.00A typ. @ 230Vac
Efficiency ¹⁾ at 100% Load	84.0% typ. @ 115Vac & 230Vac	83.0% typ. @ 115Vac & 230Vac	87.5% typ. @ 230Vac	86.0% typ. @ 230Vac
Max Inrush Current (Cold Start)	30A typ. @ 115Vac, 60A typ. @ 230Vac	30A typ. @ 115Vac, 65A typ. @ 230Vac	36A typ. @ 230Vac	45A typ. @ 230Vac
Power Factor	Conform to EN 61000-3-2			
Leakage Current	< 1mA @ 240Vac		< 0.5mA @ 240Vac	
MECHANICAL				
Case Cover / Chassis	SGCC / Aluminium			
Dimensions (L x W x D)	98 x 98 x 38 mm	98 x 98 x 38 mm	158 x 97 x 38 mm	178 x 97 x 38 mm
Unit Weight	0.22 kg	0.23 kg	0.36 kg	0.48 kg
Cooling System	Convection			
MTBF ²⁾	> 700,000 hrs	> 700,000 hrs	> 700,000 hrs	> 700,000 hrs
ENVIRONMENT				
Operating Temperature	-10°C to +70°C			
Storage Temperature	-25°C to +85°C			
Power De-rating	> 50°C (2.5% / °C)			
Operating Humidity	5 to 95% RH (Non-Condensing)			
Operating Altitude	0 to 5,000m			

Notes

- 1) At 25°C ambient temperature by vertical mounting orientation.
- 2) MTBF as per Telcordia SR-332 (Confidence level: 90%, I/P: 100Vac, O/P: 100% load, Ta: 35°C).
- 3) All parameters are specified at 25°C ambient temperature unless otherwise indicated.

MECHANICAL DRAWINGS



*Units in mm

	PM□-12V35W1A□	PM□-12V50W1A□	PM□-12V100W1A□	PM□-12V150W1A□
Input / Output Terminal	- PM□-12V35W1AA: M3.5 x 5 Pins (Rated 300V/15A) - PM□-12V35W1AG: M3.5 x 5 Pins (Rated 300V/20A) - PM□-12V35W1AH: I/P (JST): B3P5-VH, O/P (JST): B2P3-VH	- PM□-12V50W1AA: M3.5 x 5 Pins (Rated 300V/15A) - PM□-12V50W1AG: M3.5 x 5 Pins (Rated 300V/20A) - PM□-12V50W1AH: I/P (JST): B3P5-VH, O/P (JST): B2P3-VH	- PM□-12V100W1AA: M3.5 x 7 Pins (Rated 300V/15A) - PM□-12V100W1AG: M3.5 x 7 Pins (Rated 300V/20A) - PM□-12V100W1AH: I/P (JWT): A3963WV2-5P-A, O/P (JWT): A3963WV2-7P-U	- PM□-12V150W1AA: M3.5 x 7 Pins (Rated 300V/15A) - PM□-12V150W1AG: M3.5 x 7 Pins (Rated 300V/20A) - PM□-12V150W1AH: I/P (JWT): A3963WV2-5P-A, O/P (JWT): A3963WV2-7P-U
Input / Output Wire	- PM□-12V35W1AA: AWG 22-12 - PM□-12V35W1AG: AWG 22-12 - PM□-12V35W1AH: AWG 22-18	- PM□-12V50W1AA: AWG 20-12 - PM□-12V50W1AG: AWG 20-12 - PM□-12V50W1AH: AWG 20-18	- PM□-12V100W1AA: AWG 20-12 - PM□-12V100W1AG: AWG 20-12 - PM□-12V100W1AH: AWG 20-18	- PM□-12V150W1AA: AWG 18-12 - PM□-12V150W1AG: AWG 18-12 - PM□-12V150W1AH: AWG 18

DIN Rail Power Supply

DIN Rail Modules

Panel Mount Power Supply

Open Frame Power Supply

PMT Panel Mount Power Supply

24V Output



PMT

HIGHLIGHTS & FEATURES

- AC input voltage selectable by switch (Universal AC input voltage for selected models)
- Conforms to harmonic current IEC/EN 61000-3-2, Class A
- High MTBF > 700,000 hrs per Telcordia SR-332
- Short Circuit / Overvoltage / Overload / Over Temperature Protections
- Versatile configuration options:
 - Open Frame (35W and 50W)
 - L Frame
 - Enclosed

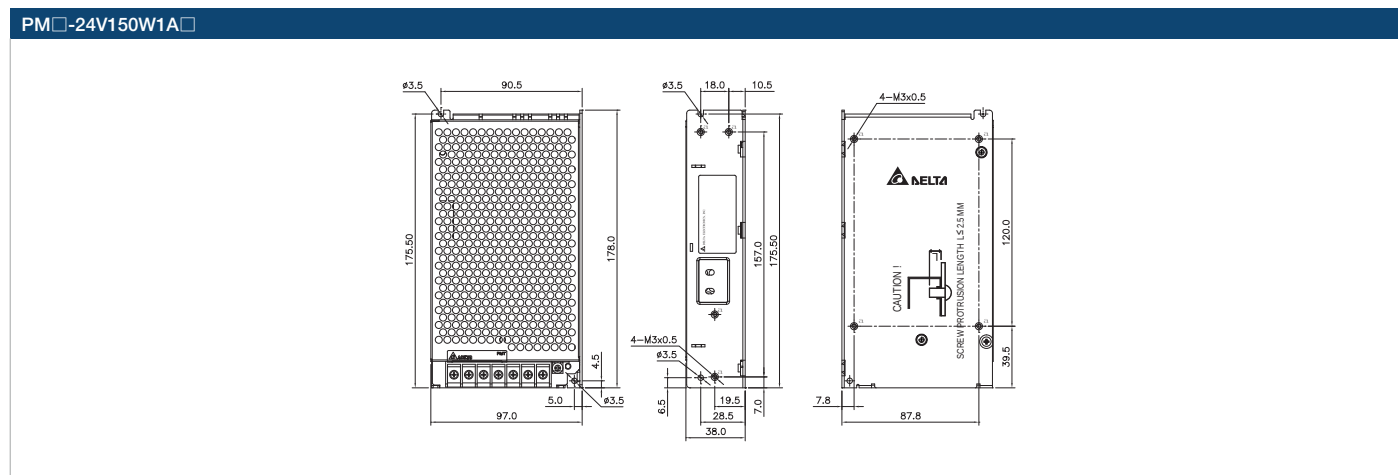
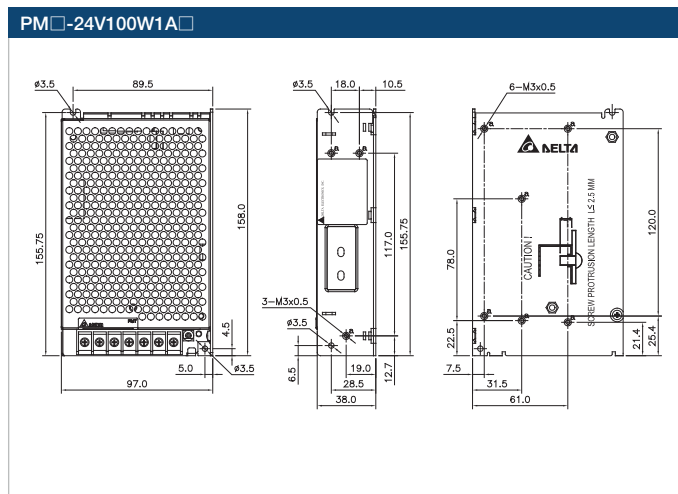
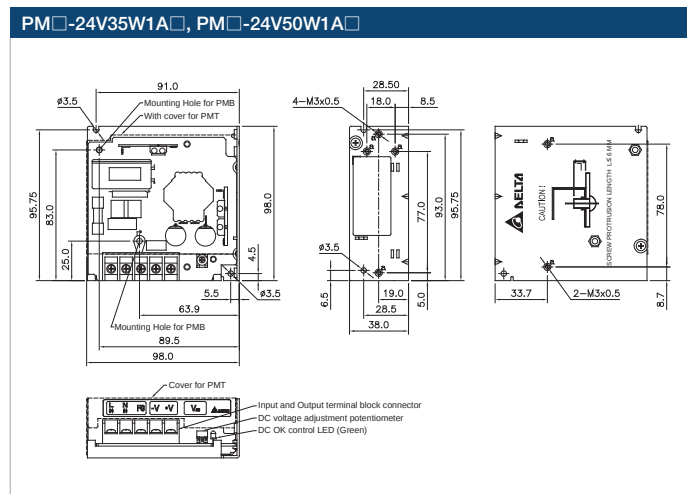
GENERAL SPECIFICATIONS

OUTPUT	PM□-24V35W1A□	PM□-24V50W1A□	PM□-24V100W1A□	PM□-24V150W1A□
Output Voltage	24V	24V	24V	24V
Output Voltage Range	22-28V	22-28V	22.8-26.4V	22.8-27.6V
Output Current	1.46A	2.10A	4.50A	6.50A
Output Power	35W	50W	108W	156W
Line Regulation	< 0.5%			
Load Regulation	< 1%		< 0.5%	
PARD (20MHz)	< 100mVpp		< 120mVpp	
Hold-up Time	16.7ms typ. @ 115Vac		25ms typ. @ 115Vac, 30ms typ. @ 230Vac	20ms typ. @ 115Vac, 24ms typ. @ 230Vac
INPUT				
Phase Input	Single Phase			
Input Voltage Range	90-264Vac		90-132Vac, 180-264Vac (Selectable by Switch)	
Input Frequency	47-63Hz			
Input Current	0.75A typ. @ 115Vac, 0.50A typ. @ 230Vac	1.10A typ. @ 115Vac, 0.65A typ. @ 230Vac	2.00A typ. @ 115Vac, 1.20A typ. @ 230Vac	3.00A typ. @ 115Vac, 2.00A typ. @ 230Vac
Efficiency ¹⁾ at 100% Load	85.0% typ. @ 115Vac & 230Vac	86.0% typ. @ 115Vac & 230Vac	89.0% typ. @ 230Vac	
Max Inrush Current (Cold Start)	30A typ. @ 115Vac, 60A typ. @ 230Vac		36A typ. @ 230Vac	45A typ. @ 230Vac
Power Factor	Conform to EN 61000-3-2			
Leakage Current	< 1mA @ 240Vac		< 0.5mA @ 240Vac	
MECHANICAL				
Case Cover / Chassis	SGCC / Aluminium			
Dimensions (L x W x D)	98 x 98 x 38 mm	98 x 98 x 38 mm	158 x 97 x 38 mm	178 x 97 x 38 mm
Unit Weight	0.22 kg	0.24 kg	0.36 kg	0.48 kg
Cooling System	Convection			
MTBF ²⁾	> 700,000 hrs	> 700,000 hrs	> 700,000 hrs	> 700,000 hrs
ENVIRONMENT				
Operating Temperature	-10°C to +70°C			
Storage Temperature	-25°C to +85°C			
Power De-rating	> 50°C (2.5% / °C)			
Operating Humidity	5 to 95% RH (Non-Condensing)			
Operating Altitude	0 to 5,000m			

Notes

- 1) At 25°C ambient temperature by vertical mounting orientation.
- 2) MTBF as per Telcordia SR-332 (Confidence level: 90%, I/P: 100Vac, O/P: 100% load, Ta: 35°C).
- 3) All parameters are specified at 25°C ambient temperature unless otherwise indicated.

MECHANICAL DRAWINGS



*Units in mm

	PM□-24V35W1A□	PM□-24V50W1A□	PM□-24V100W1A□	PM□-24V150W1A□
Input / Output Terminal	- PM□-24V35W1AA: M3.5 x 5 Pins (Rated 300V/15A) - PM□-24V35W1AG: M3.5 x 5 Pins (Rated 300V/20A) - PM□-24V35W1AH: I/P (JST): B3P5-VH, O/P (JST): B2P3-VH	- PM□-24V50W1AA: M3.5 x 5 Pins (Rated 300V/15A) - PM□-24V50W1AG: M3.5 x 5 Pins (Rated 300V/20A) - PM□-24V50W1AH: I/P (JST): B3P5-VH, O/P (JST): B2P3-VH	- PM□-24V100W1AA: M3.5 x 7 Pins (Rated 300V/15A) - PM□-24V100W1AG: M3.5 x 7 Pins (Rated 300V/20A) - PM□-24V100W1AH: I/P (JWT): A3963WV2-5P-A, O/P (JWT): A3963WV2-7P-U	- PM□-24V150W1AA: M3.5 x 7 Pins (Rated 300V/15A) - PM□-24V150W1AG: M3.5 x 7 Pins (Rated 300V/20A) - PM□-24V150W1AH: I/P (JWT): A3963WV2-5P-A, O/P (JWT): A3963WV2-7P-U
Input / Output Wire	- PM□-24V35W1AA: AWG 22-12 - PM□-24V35W1AG: AWG 22-12 - PM□-24V35W1AH: AWG 22-18	- PM□-24V50W1AA: AWG 22-12 - PM□-24V50W1AG: AWG 22-12 - PM□-24V50W1AH: AWG 22-18	- PM□-24V100W1AA: AWG 22-12 - PM□-24V100W1AG: AWG 22-12 - PM□-24V100W1AH: AWG 22-18	- PM□-24V150W1AA: AWG 22-12 - PM□-24V150W1AG: AWG 22-12 - PM□-24V150W1AH: AWG 22-18

PMT Panel Mount Power Supply

24V Output



PMT

HIGHLIGHTS & FEATURES

- AC input voltage selectable by switch
- High Efficiency
- High MTBF > 700,000 hrs per Telcordia SR-332
- Short Circuit / Overvoltage / Overload / Over Temperature Protections
- Versatile configuration options (for 200W):
 - L Frame
 - Enclosed

GENERAL SPECIFICATIONS

OUTPUT	PM□-24V200W1A□	PMT-24V350W1AG	PMT-24V350W1AK
Output Voltage	24V	24V	24V
Output Voltage Range	21.6-26.4V	20.0-26.4V	20.0-26.4V
Output Current	8.80A	14.6A	14.6A
Output Power	211.2W	350.4W	350.4W
Line Regulation	< 0.5%		
Load Regulation	< 0.5%		
PARD (20MHz)	< 150mVpp		
Hold-up Time	20ms typ. @ 115Vac, 25ms typ. @ 230Vac	16ms typ. @ 115Vac, 20ms typ. @ 230Vac	
INPUT			
Phase Input	Single Phase		
Input Voltage Range	90-132Vac, 180-264Vac (Selectable by Switch)		
Input Frequency	47-63Hz		
Input Current	4.50A typ. @ 115Vac, 2.50A typ. @ 230Vac	7.00A typ. @ 115Vac, 4.00A typ. @ 230Vac	7.00A typ. @ 115Vac, 4.00A typ. @ 230Vac
Efficiency ¹⁾ at 100% Load	88.5% typ. @ 230Vac	87.0% typ. @ 230Vac	
Max Inrush Current (Cold Start)	55A typ. @ 230Vac	50A typ. @ 115Vac, 60A typ. @ 230Vac	
Power Factor	NA		
Leakage Current	< 0.25mA @ 240Vac	< 3.5mA @ 240Vac	
MECHANICAL			
Case Cover / Chassis	Aluminium		
Dimensions (L x W x D)	215 x 115 x 50 mm	215 x 115 x 50 mm	215 x 115 x 50 mm
Unit Weight	0.63 kg	0.82 kg	0.82 kg
Cooling System	Convection	Forced Cooling	
MTBF ²⁾	> 700,000 hrs	> 700,000 hrs	> 700,000 hrs
ENVIRONMENT			
Operating Temperature	-10°C to +60°C	-10°C to +70°C	
Storage Temperature	-25°C to +85°C		
Power De-rating	> 40°C (2.5% / °C)	> 50°C (2.5% / °C)	
Operating Humidity	5 to 95% RH (Non-Condensing)		
Operating Altitude	0 to 5,000m		

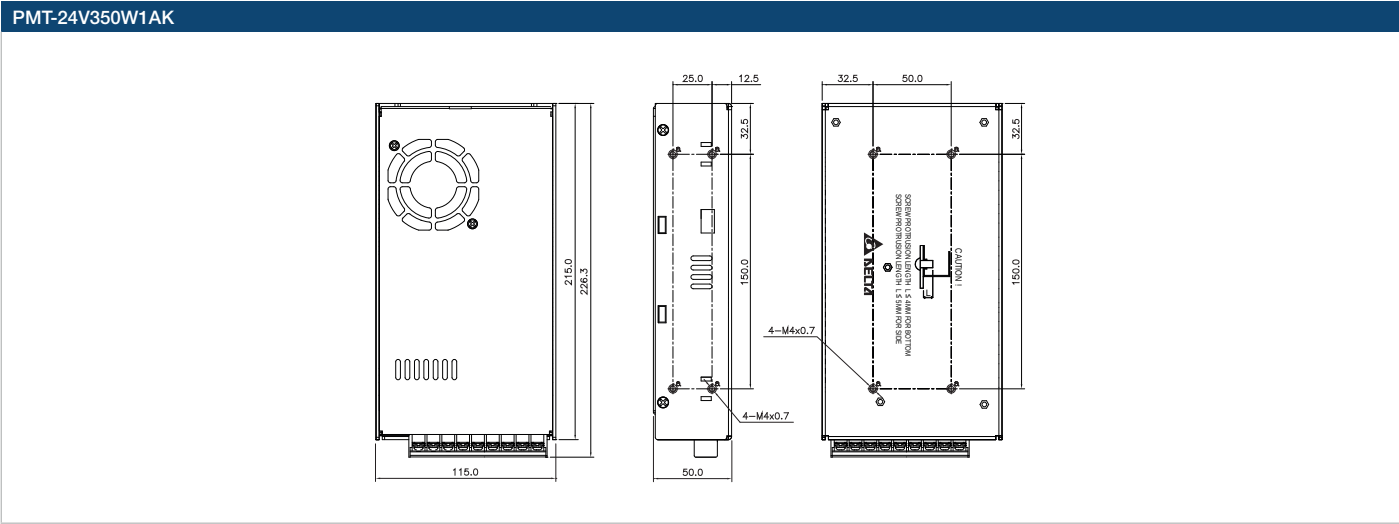
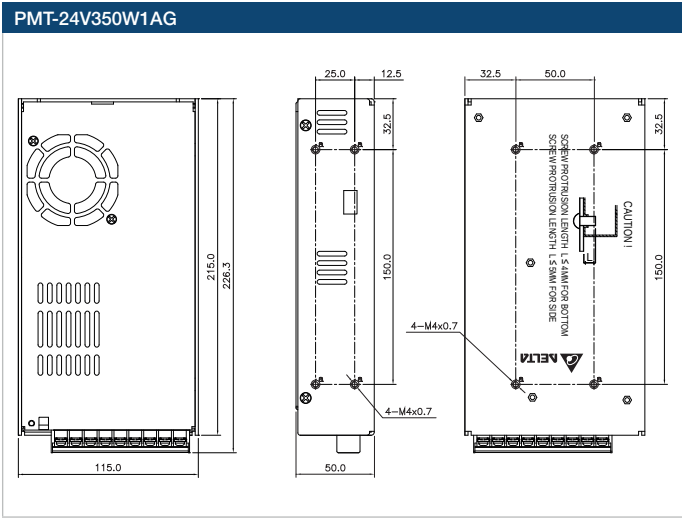
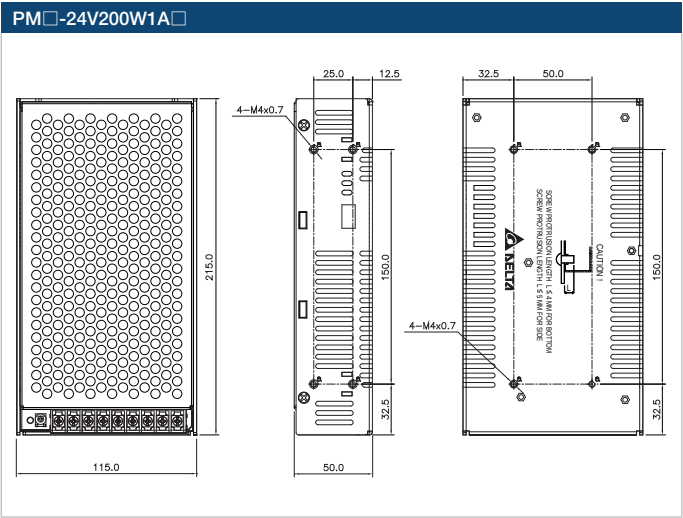
Notes

1) At 25°C ambient temperature by vertical mounting orientation.

2) MTBF as per Telcordia SR-332 (Confidence level: 90%, I/P: 100Vac, O/P: 100% load, Ta: 35°C). For PMT-24V350W1AG and PMT-24V350W1AK models, MTBF calculations do not include fan life time.

3) All parameters are specified at 25°C ambient temperature unless otherwise indicated.

MECHANICAL DRAWINGS



*Units in mm

	PM□-24V200W1A□	PMT-24V350W1AG	PMT-24V350W1AK
Input / Output Terminal	- PM□-24V200W1A□: M3.5 x 9 Pins (Rated 300V/15A) - PM□-24V200W1A□: M3.5 x 9 Pins (Rated 300V/20A)	M3.5 x 9 Pins (Rated 300V/20A)	M3.5 x 9 Pins (Rated 300V/20A)
Input / Output Wire	AWG 22-12	AWG 20-12	AWG 20-12

DIN Rail Power Supply

DIN Rail Modules

Panel Mount Power Supply

Open Frame Power Supply

PMT Panel Mount Power Supply

48V Output



PMT

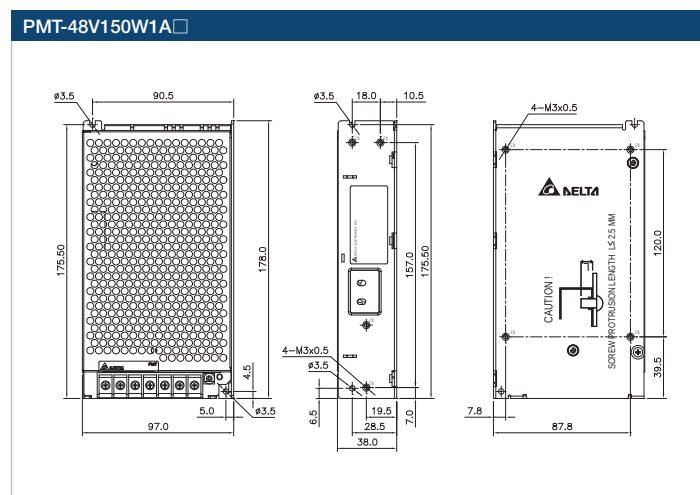
HIGHLIGHTS & FEATURES

- AC input voltage selectable by switch
- Conforms to harmonic current IEC/EN 61000-3-2, Class A
- High MTBF > 700,000 hrs per Telcordia SR-332
- Short Circuit / Overvoltage / Overload / Over Temperature Protections
- Versatile configuration options:
 - L Frame
 - Enclosed

GENERAL SPECIFICATIONS

NEW	
OUTPUT	PMT-48V150W1A□
Output Voltage	48V
Output Voltage Range	45.6-52.8V
Output Current	3.30A
Output Power	158.4W
Line Regulation	< 0.5%
Load Regulation	< 0.5 %
PARD (20MHz)	< 200mVpp
Hold-up Time	20ms typ. @ 115Vac, 24ms typ. @ 230Vac
INPUT	
Phase Input	Single Phase
Input Voltage Range	90-132Vac, 180-264Vac (Selectable by Switch)
Input Frequency	47-63Hz
Input Current	3.00A typ. @ 115Vac, 2.00A typ. @ 230Vac
Efficiency ¹⁾ at 100% Load	89.0% typ. @ 230Vac
Max Inrush Current (Cold Start)	45A typ. @ 230Vac
Power Factor	NA
Leakage Current	< 0.5mA @ 240Vac
MECHANICAL	
Case Cover / Chassis	Aluminium
Dimensions (L x W x D)	178 x 97 x 38 mm
Unit Weight	0.48 kg
Cooling System	Convection
MTBF ²⁾	> 700,000 hrs
ENVIRONMENT	
Operating Temperature	-10°C to +70°C
Storage Temperature	-25°C to +85°C
Power De-rating	> 50°C (2.5% / °C)
Operating Humidity	5 to 95% RH (Non-Condensing)
Operating Altitude	0 to 5,000m

MECHANICAL DRAWINGS



*Units in mm

PMT-48V150W1A□	
Input / Output Terminal	• PM□-48V150W1A□: M3.5 x 7 Pins (Rated 300V/15A) • PM□-48V150W1A□: M3.5 x 7 Pins (Rated 300V/20A) • PM□-48V150W1AH: I/P (JWT): A3963WV2-5P-A, O/P (JWT): A3963WV2-7P-U
Input / Output Wire	• PM□-48V150W1A□: AWG 22-12 • PM□-48V150W1A□: AWG 22-12 • PM□-48V150W1AH: AWG 22-18

Notes

- 1) At 25°C ambient temperature by vertical mounting orientation.
- 2) MTBF as per Telcordia SR-332 (Confidence level: 90%, I/P: 100Vac, O/P: 100% load, Ta: 35°C).
- 3) All parameters are specified at 25°C ambient temperature unless otherwise indicated.

Dual Output



PMT

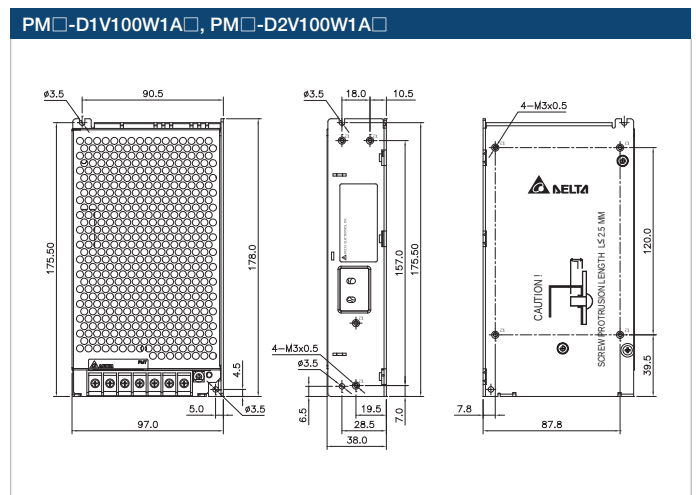
HIGHLIGHTS & FEATURES

- AC input voltage selectable by switch
- Conforms to harmonic current IEC/EN 61000-3-2, Class A
- High MTBF > 700,000 hrs per Telcordia SR-332
- Short Circuit / Overvoltage / Overload / Over Temperature Protections
- Versatile configuration options:
 - L Frame
 - Enclosed

GENERAL SPECIFICATIONS

	NEW	NEW
OUTPUT	PM□-D1V100W1A□	PM□-D2V100W1A□
Output Voltage	V1: 12V, V2: 5V	V1: 24V, V2: 5V
Output Voltage Range	V1: 10.8-13.2V	V1: 21.6-26.4V
Output Current	V1: 7.00A, V2: 3.00A	V1: 3.50A, V2: 3.00A
Output Power	V1: 84W, V2: 15W	V1: 84W, V2: 15W
Line Regulation	< 0.5%	
Load Regulation	V1: < 1%, V2: < 2%	V1: < 0.5%, V2: < 1%
PARD (20MHz)	V1: 120mVpp, V2: 80mVpp	V1: 120mVpp, V2: 80mVpp
Hold-up Time	20ms typ. @ 115Vac, 25ms typ. @ 230Vac	
INPUT		
Phase Input	Single Phase	
Input Voltage Range	85-132Vac, 170-264Vac (Selectable by Switch)	
Input Frequency	47-63Hz	
Input Current	2.00A typ. @ 115Vac, 1.20A typ. @ 230Vac	2.00A typ. @ 115Vac, 1.20A typ. @ 230Vac
Efficiency ¹⁾ at 100% Load	80.0% typ. @ 230Vac	82.0% typ. @ 230Vac
Max Inrush Current (Cold Start)	45A typ. @ 230Vac	
Power Factor	Conform to EN 61000-3-2	
Leakage Current	< 0.25mA @ 240Vac	
MECHANICAL		
Case Cover / Chassis	SGCC	
Dimensions (L x W x D)	178 x 97 x 38 mm	178 x 97 x 38 mm
Unit Weight	0.44 kg	0.42 kg
Cooling System		
MTBF ²⁾	> 700,000 hrs	> 700,000 hrs
ENVIRONMENT		
Operating Temperature	-20°C to +70°C	
Storage Temperature	-25°C to +85°C	
Power De-rating	> 50°C (2.5% / °C)	
Operating Humidity	5 to 95% RH (Non-Condensing)	
Operating Altitude	0 to 5,000m	

MECHANICAL DRAWINGS



*Units in mm

	PM□-D1V100W1A□, PM□-D2V100W1A□
Input / Output Terminal	• PM□-D1V100W1AA, PM□-D2V100W1AA: M3.5 x 7 Pins (Rated 300V/15A) • PM□-D□V100W1AG, PM□-D2V100W1AG: M3.5 x 7 Pins (Rated 300V/20A) • PM□-D□V100W1AH, PM□-D2V100W1AH: I/P (JWT): A3963WV2-5P-A, O/P (JWT): A3963WV2-7P-U
Input / Output Wire	• PM□-D□V100W1AA, PM□-D2V100W1AA: AWG 22-12 • PM□-D□V100W1AG, PM□-D2V100W1AG: AWG 22-12 • PM□-D□V100W1AH, PM□-D2V100W1AH: AWG 22-18

Standard Products

Open Frame Power Supply

PJ



The PJ open frame power supply series offers the most widely used output voltages of 5V, 12V, 24V and 48V with power ratings from 15W to 150W. These power supplies come with universal AC input from 85Vac to 264Vac and wide operating temperature range of -10°C to +70°C. The features include low leakage and low Inrush current while the conformal coating on the PCBAs provides protection against dust and chemical pollutants. The products are certified to EMI standards according to EN 55011 for industrial, scientific and medical (ISM) radio-frequency equipment; EN 55022 for Information Technology Equipment (ITE) radio-frequency equipment; EMS according to EN 55024. In order to ensure the highest standard of reliability, only recognized Japanese connectors and capacitors are used and options for metal chassis and case cover are available for different installation preferences. The remote ON/OFF feature is available for output power at 100W and above.

Typical Applications



PJB



The PJB open frame power supply series is designed for applications demanding low leakage current, low inrush current, high power factor value and high efficiency. The PJB series comes with universal AC input voltage range at 85Vac to 264Vac and bears superior features like built-in Power Boost of 200% for 10 seconds which will enable reserved power to be always available during startup of loads with high inrush current, thus, eliminating the need of a more expensive power supply with higher power rating while saving more space for installation. Like its predecessor, the PJ series, the PJB series has conformal coating applied on the PCBAs to protect against dust and chemical pollutants. This enables the products to be used in harsh industrial environments and only recognized Japanese capacitors are used. Metal chassis and case cover are available as options for different installation preferences. The PJB series is certified for EMI standards according to EN 55022 and EMS according to EN 55024. The products also conform to major international safety standards according to IEC/EN/UL 60950-1 standards.

Typical Applications

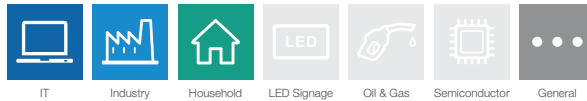


PJT

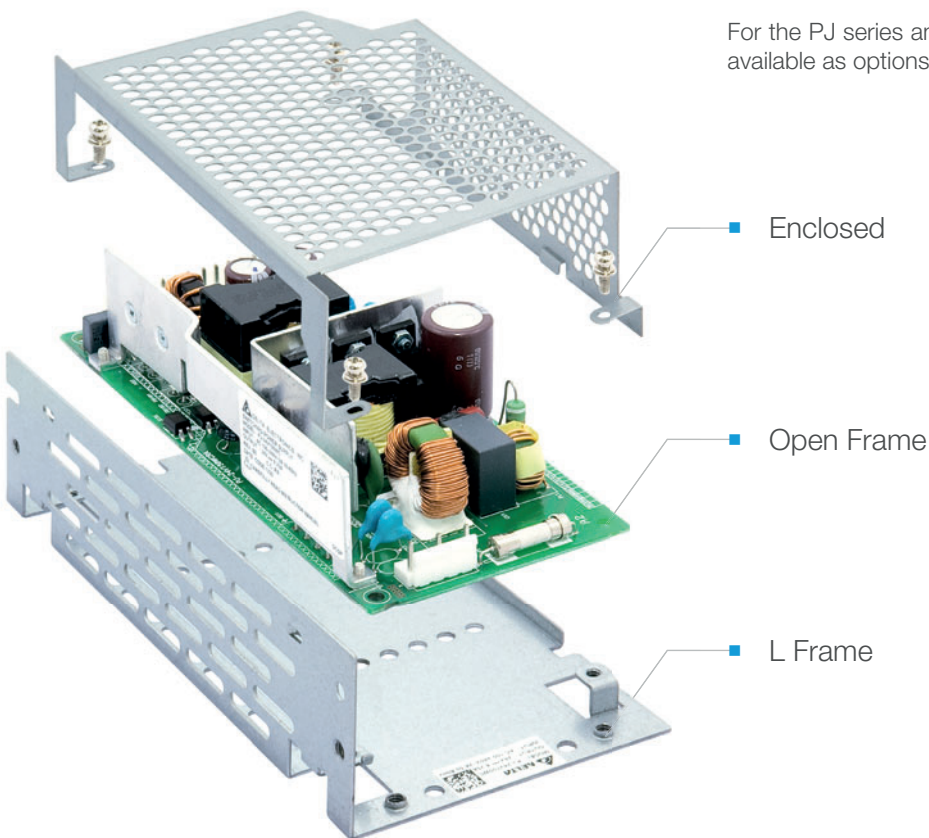


The PJT open frame power supply series offers nominal output voltages of 12V, 15V, 18V, 19V and 24V. The PJT series comes with open frame standard footprint of 2"x3", 2"x4", 3"x5" and U channel with universal AC input voltage range at 90Vac to 264Vac. The product features low earth leakage current and built-in active PFC circuit to for lower energy consumption. Delta's PJT series of open frame power supplies can meet the price demand of cost competitive markets without compromising the quality of the components. The series is certified for EMI standards according to EN 55022 and EN 55011 and conforms to major international safety standards according to IEC/EN/UL 60950-1 standards.

Typical Applications



Configuration Options

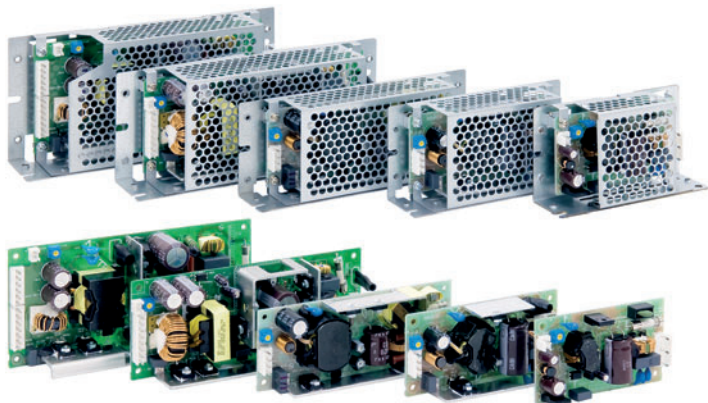


For the PJ series and PJB series, metal chassis and case cover are available as options for different installation preferences.

All Delta power supplies are fully compliant with RoHS Directive 2011/65/EU for environmental protection. For more information or enquiries, please do not hesitate to contact your local Delta Electronics distributor or visit www.DeltaPSU.com.

PJ Open Frame Power Supply

12V Output



PJ

HIGHLIGHTS & FEATURES

- Universal AC input voltage
- High PF > 0.97 (for 50W and above)
- Low Inrush Current / Low Leakage Current
- Conforms to harmonic current IEC/EN 61000-3-2, Class A; Class A and Class D for 50W and above
- Conformal coating on PCBAs to protect against chemical and dust pollutants
- Versatile configuration options: Open Frame, L Frame, Enclosed
- Remote ON/OFF option for selected models
- Long life capacitors

GENERAL SPECIFICATIONS

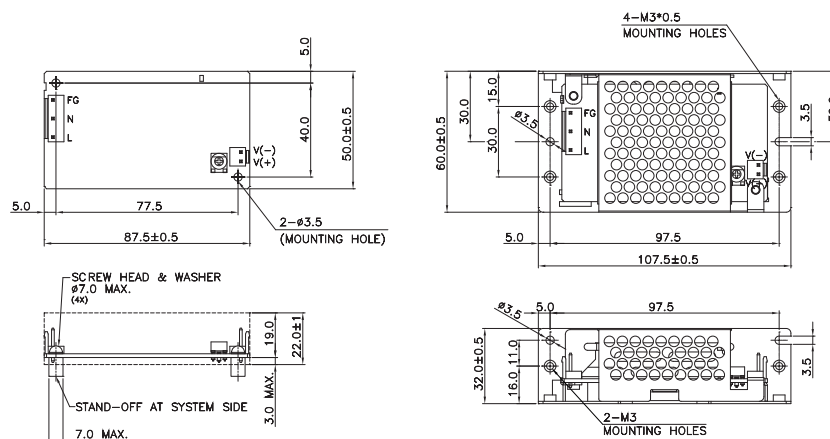
OUTPUT	PJ-12V15W□□A	PJ-12V30W□□A	PJ-12V50W□□A	PJ-12V100W□□A	PJ-12V150W□□A
Output Voltage	12V	12V	12V	12V	12V
Output Voltage Range	10.8-13.2V	10.8-13.2V	10.8-13.2V	10.8-13.2V	10.8-13.2V
Output Current	1.30A	2.50A	4.30A	8.50A	12.5A
Output Power	15.6W	30W	51.6W	102W	150W
Line Regulation	< 48mV				
Load Regulation	< 100mV				
PARD (20MHz)	< 150mVpp				
Hold-up Time	20ms typ. @ 100Vac				
INPUT					
Phase Input	Single Phase				
Input Voltage Range	85-264Vac				
Input Frequency	47-63Hz				
Input Current	0.35A typ. @ 100Vac, 0.20A typ. @ 200Vac	0.65A typ. @ 100Vac, 0.35A typ. @ 200Vac	0.65A typ. @ 100Vac, 0.35A typ. @ 200Vac	1.30A typ. @ 100Vac, 0.65A typ. @ 200Vac	1.90A typ. @ 100Vac, 0.95A typ. @ 200Vac
Efficiency ¹⁾ at 100% Load	81.0% typ. @ 100Vac, 82.5% typ. @ 200Vac	83.0% typ. @ 100Vac, 85.0% typ. @ 200Vac	83.0% typ. @ 100Vac, 85.0% typ. @ 200Vac	85.0% typ. @ 100Vac, 87.5% typ. @ 200Vac	88.0% typ. @ 100Vac, 91.0% typ. @ 200Vac
Max Inrush Current (Cold Start)	15A typ. @ 100Vac, 30A typ. @ 200Vac				
Power Factor	Conform to EN 61000-3-2		0.98 typ. @ 100Vac, 0.97 typ. @ 200Vac	0.99 typ. @ 100Vac, 0.98 typ. @ 200Vac	0.99 typ. @ 100Vac, 0.97 typ. @ 200Vac
Leakage Current	< 0.1mA @ 100Vac, < 0.2mA @ 240Vac			< 0.2mA @ 100Vac, < 0.4mA @ 240Vac	
MECHANICAL					
Case Cover / Chassis	SGCC				
Dimensions (L x W x D) ²⁾	87.5 x 50 x 22 mm	105 x 50 x 25.6 mm	132 x 50 x 26.6 mm	155 x 62 x 33.5 mm	160 x 75 x 37 mm
Unit Weight ²⁾	0.06 kg	0.11 kg	0.16 kg	0.26 kg	0.30 kg
Cooling System	Convection				
Input Terminal	(JST): B3P5-VH				
Output Terminal	(JST): B2P-VH	(JST): B4P-VH		(JST): B8P-VH	V- (JST): B7P-VH, V+ (JST): B6P-VH
Input / Output Wire	AWG 22-18	AWG 22-18	AWG 22-18	AWG 22-18	AWG 22-18
MTBF ³⁾	> 200,000 hrs	> 200,000 hrs	> 200,000 hrs	> 200,000 hrs	> 200,000 hrs
ENVIRONMENT					
Operating Temperature	-10°C to +70°C				
Storage Temperature	-25°C to +75°C				
Power De-rating ²⁾	> 50°C (2.5% / °C)				
Operating Humidity	5 to 95% RH (Non-Condensing)				
Operating Altitude	0 to 5,000m				

Notes

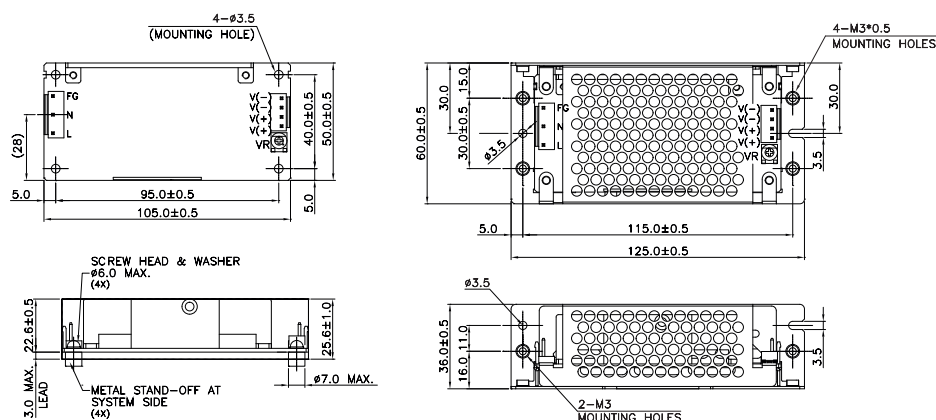
- 1) At 25°C ambient temperature.
- 2) Open Frame (without chassis and cover).
- 3) MTBF as per JEITA RCR-9102B.
- 4) All parameters are specified at 25°C ambient temperature unless otherwise indicated.

MECHANICAL DRAWINGS

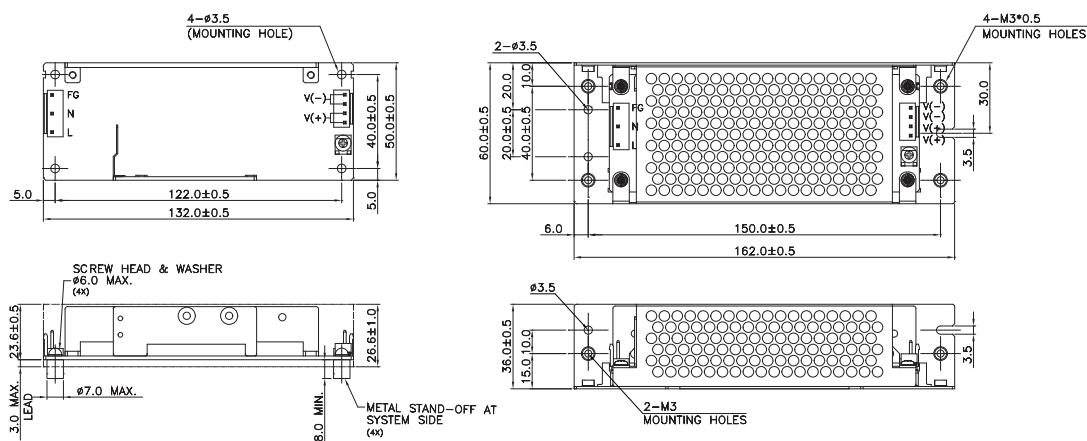
PJ-12V15W□NA



PJ-12V30W□NA



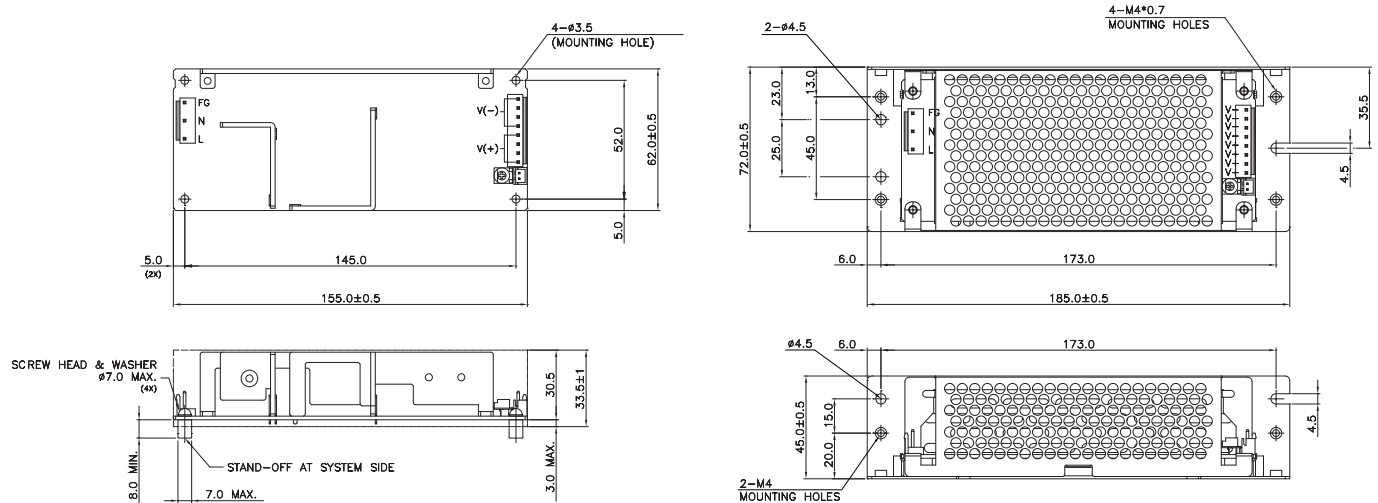
PJ-12V50W□NA



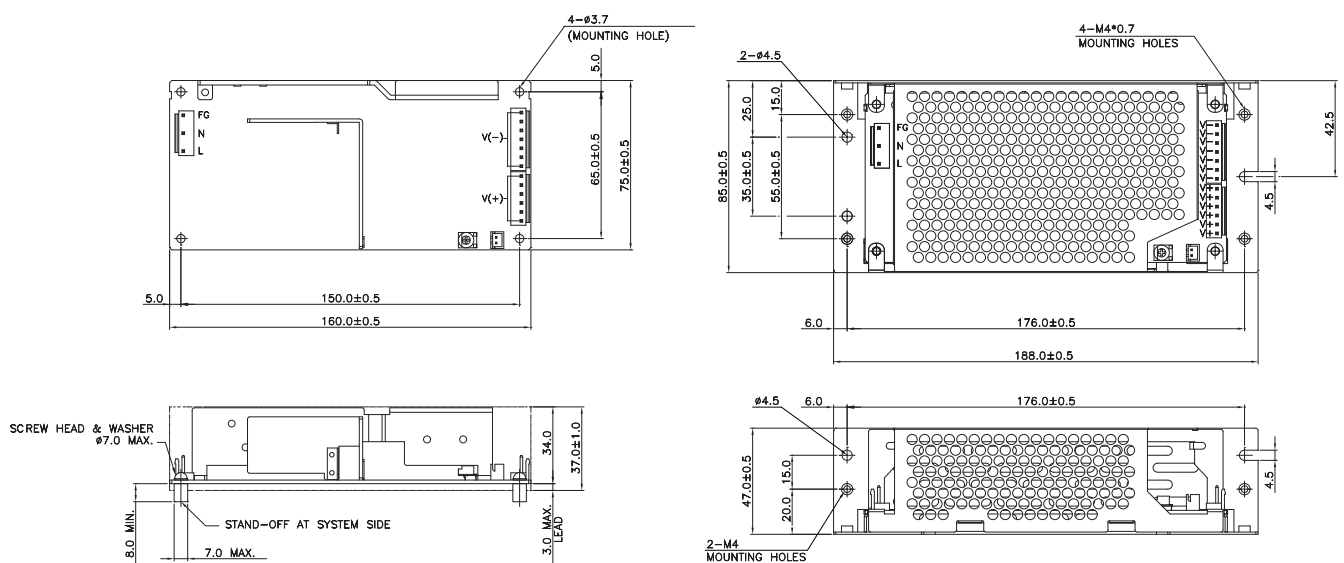
*Units in mm

MECHANICAL DRAWINGS

PJ-12V100W□□A



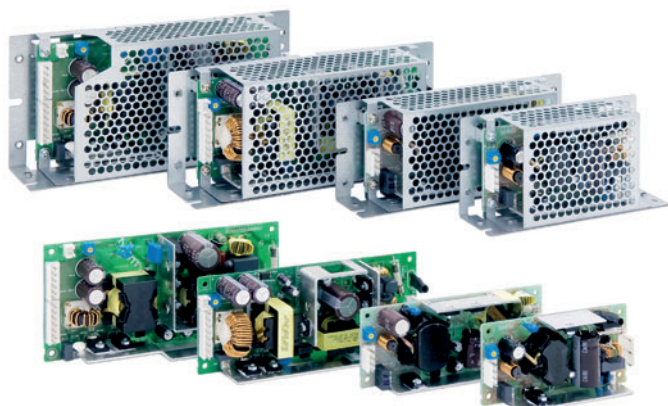
PJ-12V150W□□A



*Units in mm

PJ Open Frame Power Supply

24V Output



PJ

HIGHLIGHTS & FEATURES

- Universal AC input voltage
- High PF > 0.97 (for 50W and above)
- Low Inrush Current / Low Leakage Current
- Conforms to harmonic current IEC/EN 61000-3-2, Class A; Class A and Class D for 50W and above
- Conformal coating on PCBAs to protect against chemical and dust pollutants
- Versatile configuration options: Open Frame, L Frame, Enclosed
- Remote ON/OFF option for selected models
- Long life capacitors

GENERAL SPECIFICATIONS

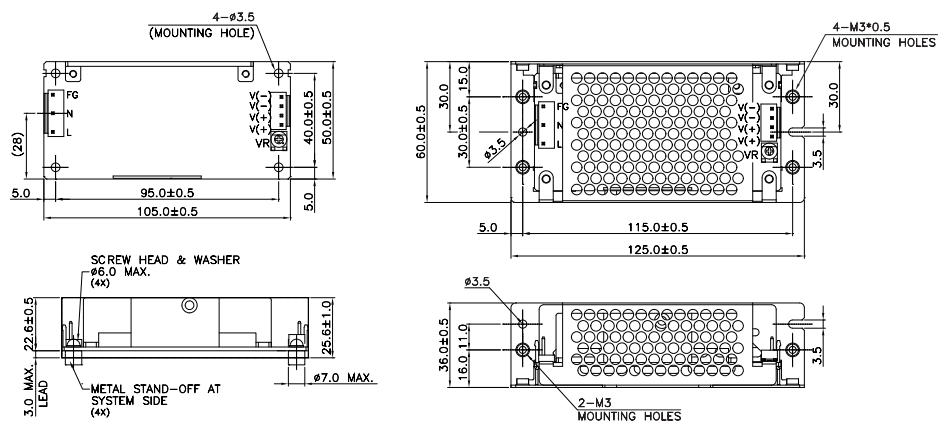
OUTPUT	PJ-24V30W□□A	PJ-24V50W□□A	PJ-24V100W□□A	PJ-24V150W□□A
Output Voltage	24V	24V	24V	24V
Output Voltage Range	21.6-26.4V	21.6-26.4V	21.6-26.4V	21.6-26.4V
Output Current	1.30A	2.10A	4.30A	6.30A
Output Power	31.2W	50.4W	103.2W	150W
Line Regulation	< 96mV			
Load Regulation	< 150mV			
PARD (20MHz)	< 150mVpp			
Hold-up Time	20ms typ. @ 100Vac			
INPUT				
Phase Input	Single Phase			
Input Voltage Range	85-264Vac			
Input Frequency	47-63Hz			
Input Current	0.65A typ. @ 100Vac, 0.35A typ. @ 200Vac	0.65A typ. @ 100Vac, 0.35A typ. @ 200Vac	1.30A typ. @ 100Vac, 0.65A typ. @ 200Vac	1.90A typ. @ 100Vac, 0.95A typ. @ 200Vac
Efficiency ¹⁾ at 100% Load	85.0% typ. @ 100Vac, 86.0% typ. @ 200Vac	84.5% typ. @ 100Vac, 87.0% typ. @ 200Vac	86.0% typ. @ 100Vac, 89.0% typ. @ 200Vac	88.0% typ. @ 100Vac, 91.0% typ. @ 200Vac
Max Inrush Current (Cold Start)	15A typ. @ 100Vac, 30A typ. @ 200Vac			
Power Factor	Conform to EN 61000-3-2	0.98 typ. @ 100Vac, 0.97 typ. @ 200Vac	0.99 typ. @ 100Vac, 0.98 typ. @ 200Vac	0.99 typ. @ 100Vac, 0.97 typ. @ 200Vac
Leakage Current	< 0.1mA @ 100Vac, < 0.2mA @ 240Vac		< 0.2mA @ 100Vac, < 0.4mA @ 240Vac	
MECHANICAL				
Case Cover / Chassis	SGCC			
Dimensions (L x W x D) ²⁾	105 x 50 x 25.6 mm	132 x 50 x 26.6 mm	155 x 62 x 33.5 mm	160 x 75 x 37 mm
Unit Weight ²⁾	0.11 kg	0.16 kg	0.26 kg	0.29 kg
Cooling System	Convection			
Input Terminal	(JST): B3P5-VH			
Output Terminal	(JST): B4P-VH		(JST): B8P-VH	V- (JST): B7P-VH, V+ (JST): B6P-VH
Input / Output Wire	AWG 22-18	AWG 22-18	AWG 22-18	AWG 22-18
MTBF ³⁾	> 200,000 hrs	> 200,000 hrs	> 200,000 hrs	> 200,000 hrs
ENVIRONMENT				
Operating Temperature	-10°C to +70°C			
Storage Temperature	-25°C to +75°C			
Power De-rating ²⁾	> 50°C (2.5% / °C)			
Operating Humidity	5 to 95% RH (Non-Condensing)			
Operating Altitude	0 to 5,000m			

Notes

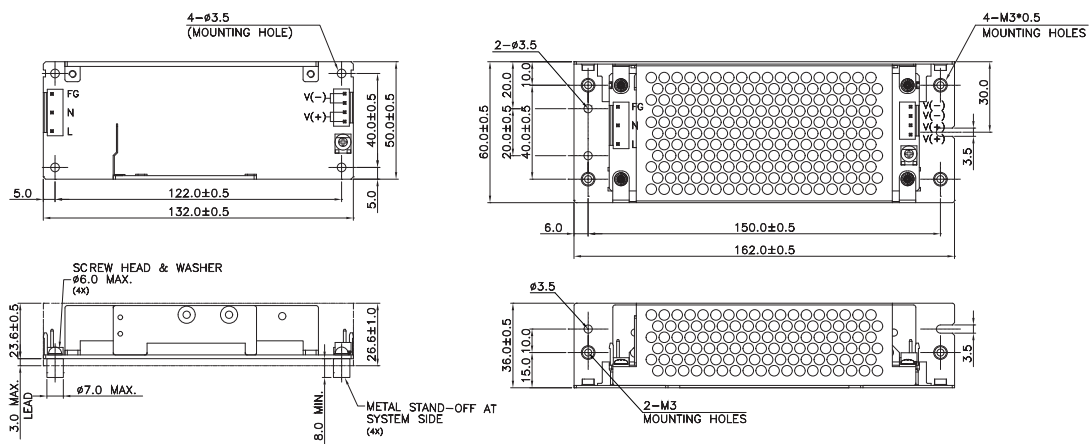
- 1) At 25°C ambient temperature.
- 2) Open Frame (without chassis and cover).
- 3) MTBF as per JEITA RCR-9102B.
- 4) All parameters are specified at 25°C ambient temperature unless otherwise indicated.

MECHANICAL DRAWINGS

PJ-24V30W□NA

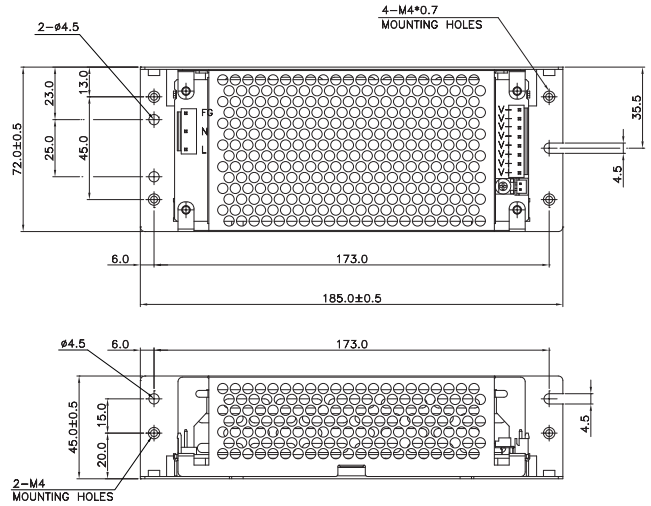
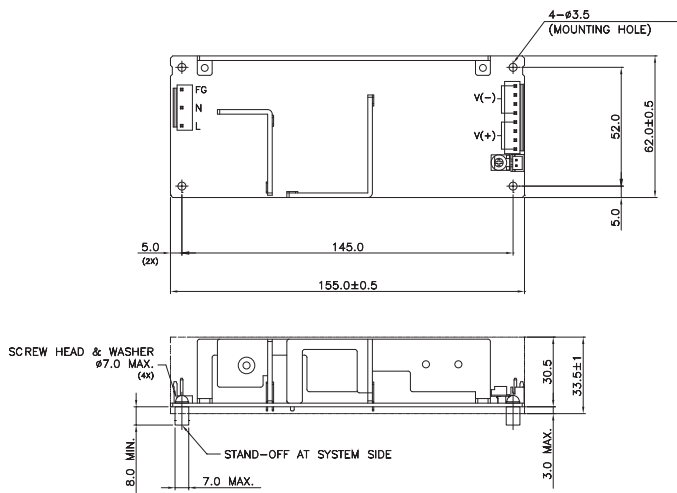


PJ-24V50W□NA

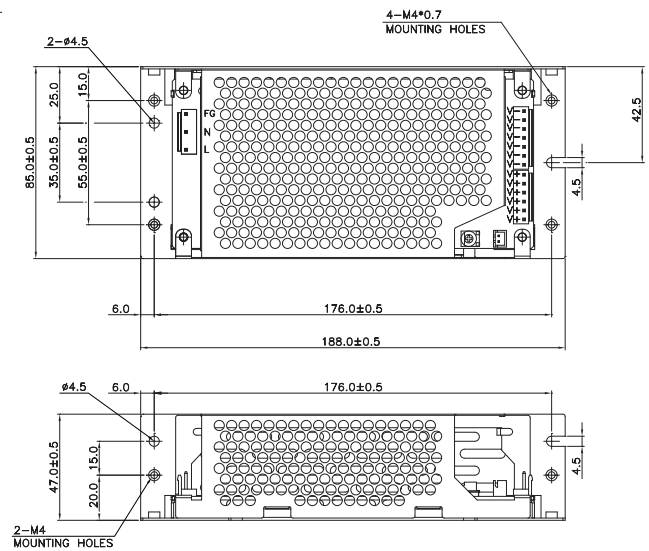
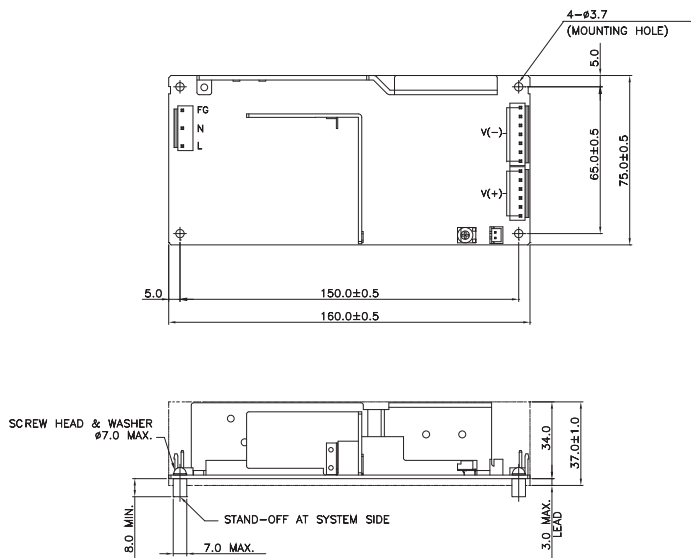


*Units in mm

PJ-24V100W□□A



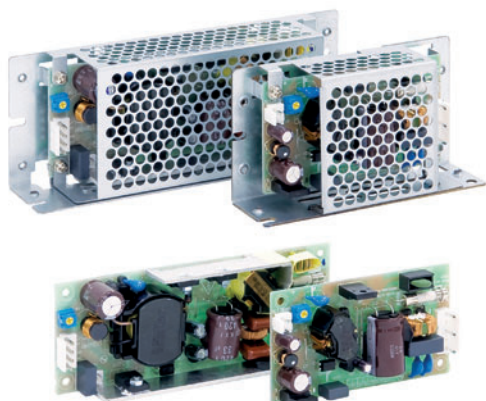
PJ-24V150W□□A



*Units in mm

PJ Open Frame Power Supply

5V, 48V Output



PJ

HIGHLIGHTS & FEATURES

- Universal AC input voltage
- High PF > 0.97 (for 50W)
- Low Inrush Current / Low Leakage Current
- Conforms to harmonic current IEC/EN 61000-3-2, Class A; Class A and Class D for 50W
- Conformal coating on PCBAs to protect against chemical and dust pollutants
- Versatile configuration options: Open Frame, L Frame, Enclosed
- Long life capacitors

GENERAL SPECIFICATIONS

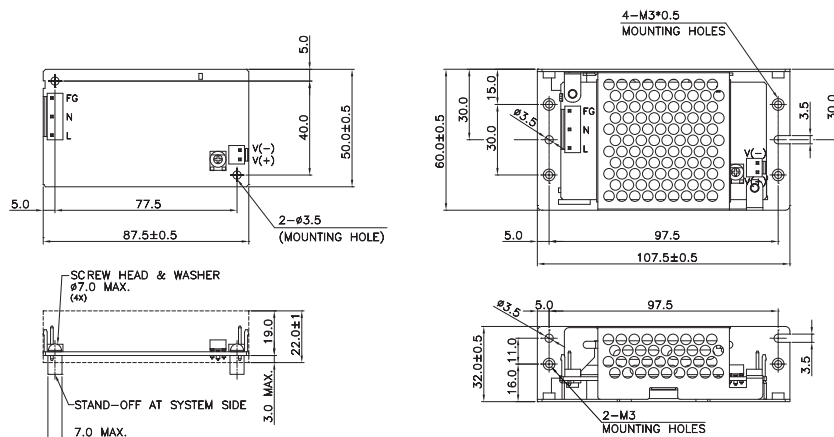
OUTPUT	PJ-5V15W□NA	PJ-48V50W□NA
Output Voltage	5V	48V
Output Voltage Range	4.50-5.50V	43.2-52.8V
Output Current	3.00A	1.10A
Output Power	15W	52.8W
Line Regulation	< 20mV	< 192mV
Load Regulation	< 40mV	< 240mV
PARD (20MHz)	< 120mVpp	< 250mVpp
Hold-up Time	20ms typ. @ 100Vac	
INPUT		
Phase Input	Single Phase	
Input Voltage Range	85-264Vac	
Input Frequency	47-63Hz	
Input Current	0.35A typ. @ 100Vac, 0.20A typ. @ 200Vac	0.65A typ. @ 100Vac, 0.35A typ. @ 200Vac
Efficiency ¹⁾ at 100% Load	78.0% typ. @ 100Vac, 79.5% typ. @ 200Vac	83.0% typ. @ 100Vac, 85.0% typ. @ 200Vac
Max Inrush Current (Cold Start)	15A typ. @ 100Vac, 30A typ. @ 200Vac	
Power Factor	Conform to EN 61000-3-2	0.98 typ. @ 100Vac, 0.97 typ. @ 200Vac
Leakage Current	< 0.1mA @ 100Vac, < 0.2mA @ 240Vac	
MECHANICAL		
Case Cover / Chassis	SGCC	
Dimensions (L x W x D) ²⁾	87.5 x 50 x 22 mm	132 x 50 x 26.6 mm
Unit Weight ²⁾	0.06 kg	0.16 kg
Cooling System	Convection	
Input Terminal	(JST): B3P5-VH	
Output Terminal	(JST): B2P-VH	(JST): B4P-VH
Input / Output Wire	AWG 22-18	AWG 22-18
MTBF ³⁾	> 200,000 hrs	> 200,000 hrs
ENVIRONMENT		
Operating Temperature	-10°C to +70°C	
Storage Temperature	-25°C to +75°C	
Power De-rating ²⁾	> 50°C (2.5% / °C)	
Operating Humidity	5 to 95% RH (Non-Condensing)	
Operating Altitude	0 to 5,000m	

Notes

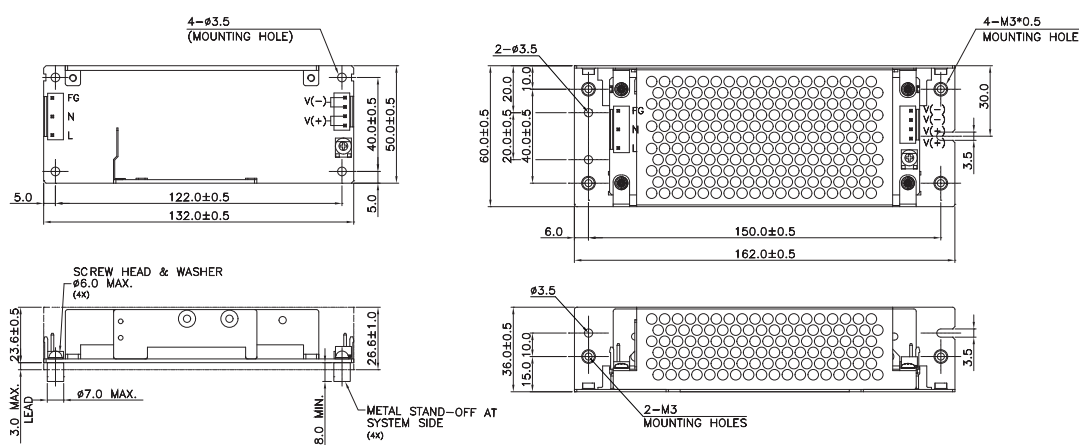
- 1) At 25°C ambient temperature.
- 2) Open Frame (without chassis and cover).
- 3) MTBF as per JEITA RCR-9102B.
- 4) All parameters are specified at 25°C ambient temperature unless otherwise indicated.

MECHANICAL DRAWINGS

PJ-5V15W□NA



PJ-48V50W□NA



*Units in mm

PJB Open Frame Power Supply

24V Output



PJB

HIGHLIGHTS & FEATURES

- Universal AC input voltage
- Power Boost of 200% for 10 seconds
- High PF > 0.97
- Low Inrush Current / Low Leakage Current
- Conforms to harmonic current IEC/EN 61000-3-2, Class D
- Conformal coating on PCBAs to protect against chemical and dust pollutants
- Versatile configuration options: Open Frame, L Frame, Enclosed
- Remote ON/OFF option for selected models

GENERAL SPECIFICATIONS

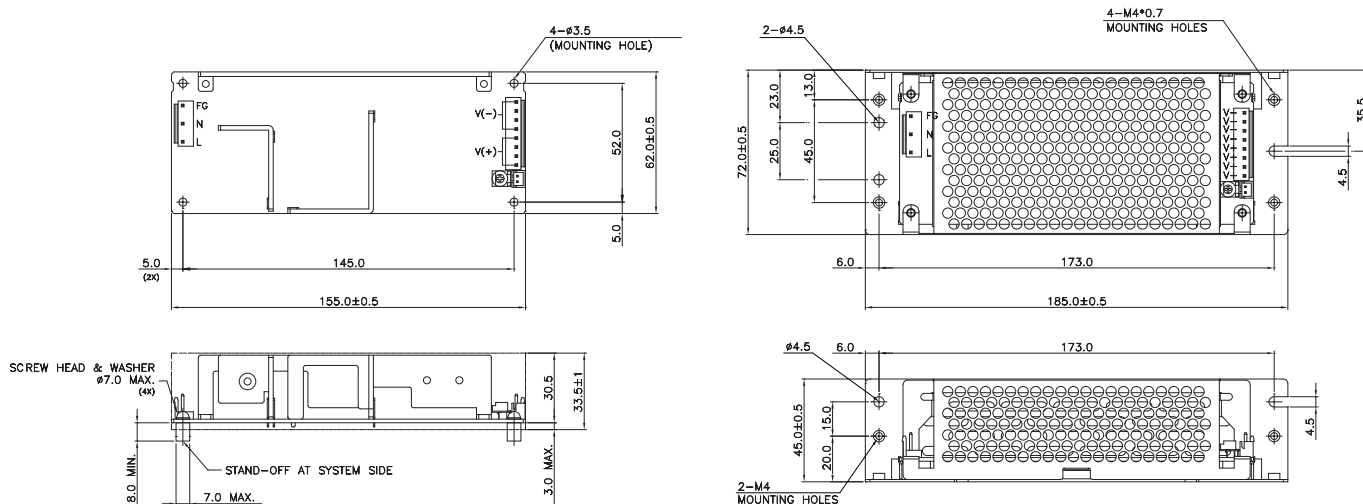
	NEW	PRELIMINARY
OUTPUT	PJB-24V100W□□A	PJB-24V150W□□A
Output Voltage	24V	24V
Output Voltage Range	21.6-26.4V	21.6-26.4V
Output Current	4.30A (8.60A for 10s)	6.30A (12.6A for 10s)
Output Power	103.2W (206.4W for 10s)	151.2W (302.4W for 10s)
Line Regulation	< 96mV	
Load Regulation	< 150mV	
PARD (20MHz)	< 150mVpp	
Hold-up Time	20ms typ. @ 100Vac	
INPUT		
Phase Input	Single Phase	
Input Voltage Range	85-264Vac	
Input Frequency	47-63Hz	
Input Current	1.30A typ. @ 100Vac, 0.65A typ. @ 200Vac	1.90A typ. @ 100Vac, 0.98A typ. @ 200Vac
Efficiency ¹⁾ at 100% Load	86.5% typ. @ 100Vac, 89.0% typ. @ 200Vac	88.0% typ. @ 100Vac, 90.5% typ. @ 200Vac
Max Inrush Current (Cold Start)	15A typ. @ 100Vac, 30A typ. @ 200Vac	
Power Factor	0.98 typ. @ 100Vac, 0.97 typ. @ 200Vac	0.97 typ. @ 100Vac, 0.95 typ. @ 200Vac
Leakage Current	< 0.2mA @ 100Vac, < 0.4mA @ 240Vac	
MECHANICAL		
Case Cover / Chassis	SGCC	
Dimensions (L x W x D) ²⁾	155 x 62 x 33.5 mm	160 x 75 x 37 mm
Unit Weight ²⁾	0.26 kg	0.31
Cooling System	Convection	
Input Terminal	(JST): B3P5-VH	
Output Terminal	(JST): B8P-VH	V- (JST): B7P-VH, V+ (JST): B6P-VH
Input / Output Wire	AWG 22-18	AWG 22-18
MTBF ³⁾	> 200,000 hrs	> 200,000 hrs
ENVIRONMENT		
Operating Temperature	-10°C to +70°C	
Storage Temperature	-25°C to +75°C	
Power De-rating ²⁾	> 50°C (2.5% / °C)	
Operating Humidity	5 to 95% RH (Non-Condensing)	
Operating Altitude	0 to 3,000m	

Notes

- 1) At 25°C ambient temperature.
- 2) Open Frame (without chassis and cover).
- 3) MTBF as per JEITA RCR-9102B.
- 4) All parameters are specified at 25°C ambient temperature unless otherwise indicated.

MECHANICAL DRAWINGS

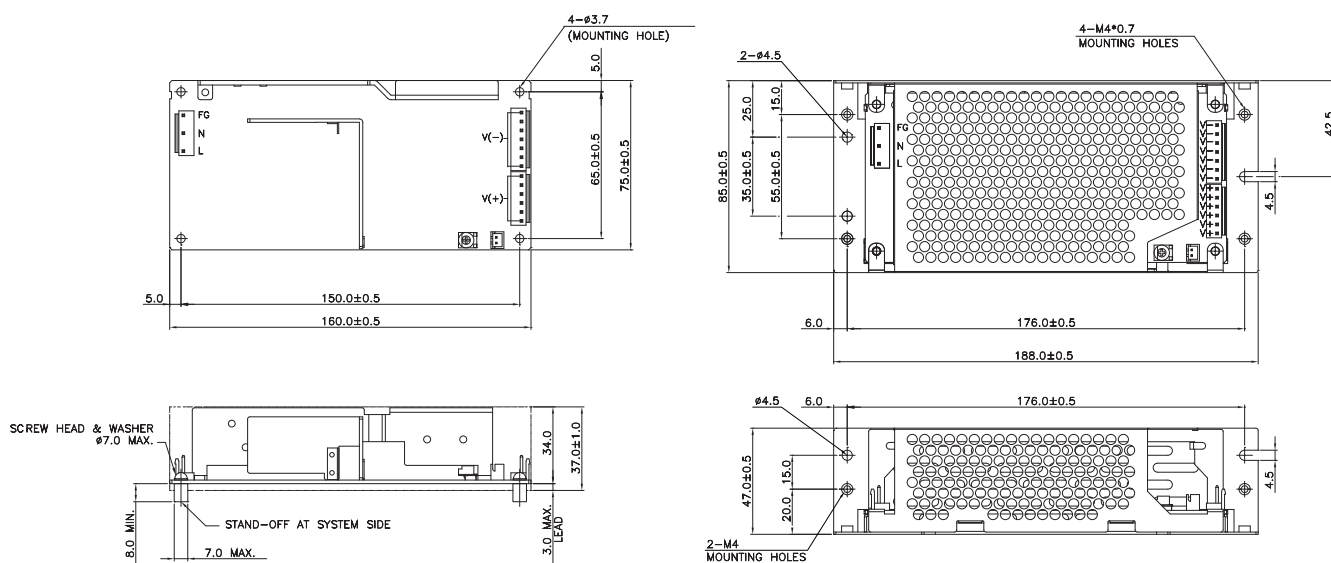
PJB-24V100W□□A



DIN Rail Power Supply

DIN Rail Modules

PJB-24V150W□□A



Panel Mount Power Supply

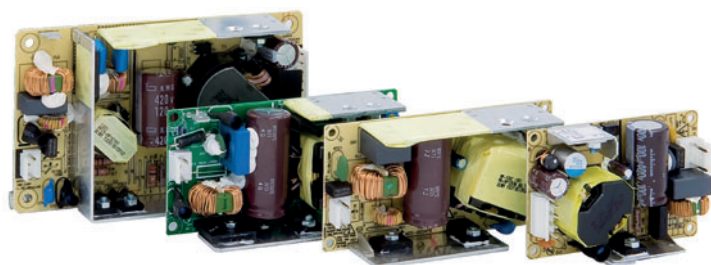
Open Frame Power Supply

*Units in mm

PJT Open Frame Power Supply

12V Output

PJT



HIGHLIGHTS & FEATURES

- Universal AC input voltage
- Small standard footprint
- Low Leakage Current < 0.1mA
- Conforms to harmonic current IEC/EN 61000-3-2, Class A; Class D for PJT-12V100WBAA
- High MTBF > 700,000 hrs. as per Telcordia SR-332
- Short Circuit / Overvoltage / Overcurrent / Over Temperature Protections

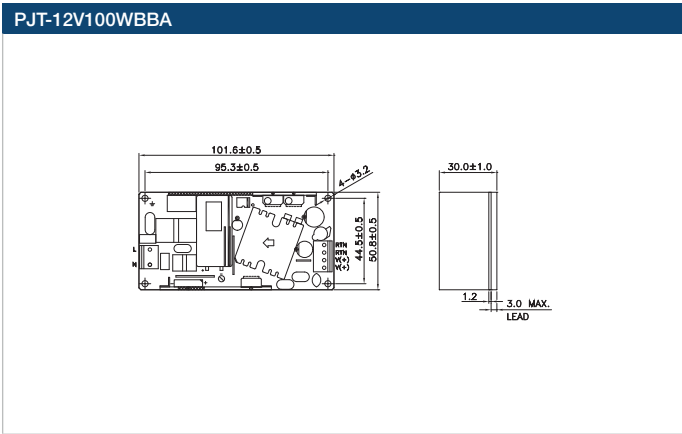
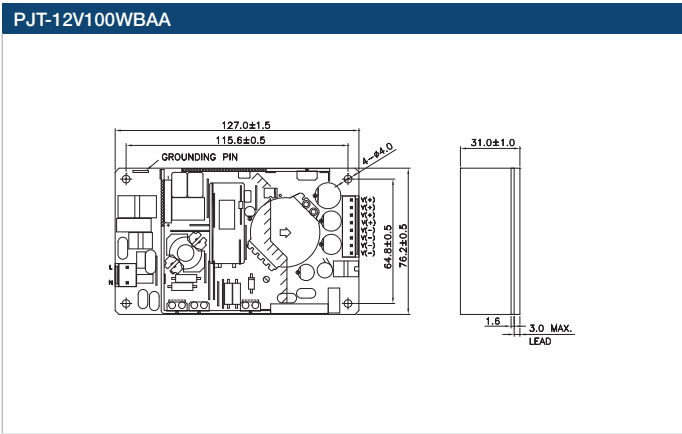
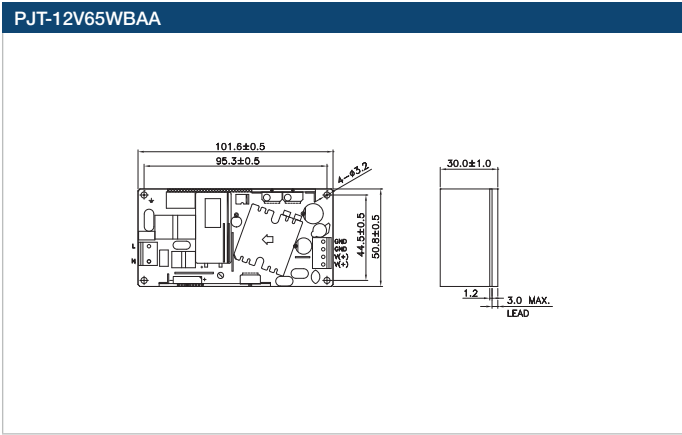
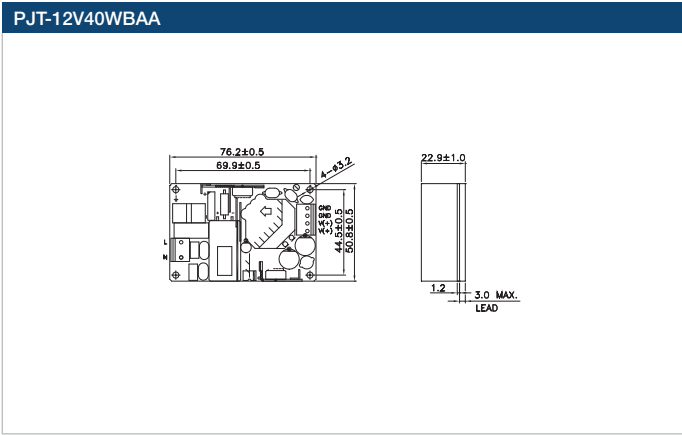
GENERAL SPECIFICATIONS

	PRELIMINARY	PRELIMINARY	PRELIMINARY	PRELIMINARY
OUTPUT	PJT-12V40WBAA	PJT-12V65WBAA	PJT-12V100WBAA	PJT-12V100WBBA
Output Voltage	12V	12V	12V	12V
Output Current	3.33A	5.00A	8.33A	6.67A (Convection) 8.33A (Forced Cooling)
Output Power	40W	60W	100W	80W (Convection) 100W (Forced Cooling)
Line Regulation	< 0.5%			
Load Regulation	< 1%			
PARD (20MHz)	< 120mVpp			
Hold-up Time	15ms typ. @ 115Vac		20ms typ. @ 115Vac	10ms typ. @ 115Vac
INPUT				
Phase Input	Single Phase			
Input Voltage Range	90-264Vac			
Input Frequency	47-63Hz			
Input Current	0.85A @ 115Vac & 230Vac	1.50A @ 115Vac, 0.75A @ 230Vac		2.50A @ 115Vac, 1.25A @ 230Vac
Efficiency ¹⁾ at 100% Load	86.0% typ. @ 115Vac & 230Vac	87.5% typ. @ 115Vac & 230Vac	89.5% typ. @ 115Vac & 230Vac	87.0% typ. @ 115Vac & 230Vac
Max Inrush Current (Cold Start)	30A typ. @ 115Vac, 60A typ. @ 230Vac			
Power Factor	Conform to EN 61000-3-2, Class A		Conform to EN 61000-3-2, Class D	Conform to EN 61000-3-2, Class A
Leakage Current	< 0.1mA @ 240Vac			
MECHANICAL				
Case Cover / Chassis	-			
Dimensions (L x W x D) ²⁾	76.2 x 50.8 x 23 mm	101.6 x 50.8 x 30 mm	127 x 76.2 x 31 mm	101.6 x 50.8 x 31 mm
Unit Weight ²⁾	0.08 kg	0.13 kg	0.21 kg	0.15 kg
Cooling System	Convection			Convection / Forced Cooling
Input Terminal	(JWT): A3963WV2-3P-D			
Output Terminal	(JWT): A3963WV2-4P		(JWT): A3963WV2-8P	(JWT): A3963WV2-4P
Input / Output Wire	AWG 22-18	AWG 22-18	AWG 22-18	AWG 22-18
MTBF ³⁾	> 700,000 hrs	> 700,000 hrs	> 700,000 hrs	> 700,000 hrs
ENVIRONMENT				
Operating Temperature	-10°C to +70°C			
Storage Temperature	-40°C to +85°C			
Power De-rating ²⁾	> 50°C (2.5% / °C)			
Operating Humidity	5 to 95% RH (Non-Condensing)			
Operating Altitude	0 to 5,000m			

Notes

- 1) At 25°C ambient temperature.
- 2) Open Frame (without chassis and cover).
- 3) MTBF as per Telcordia SR-332 (I/P: 115Vac, O/P: 100% load).
- 4) All parameters are specified at 25°C ambient temperature unless otherwise indicated.

MECHANICAL DRAWINGS



*Units in mm

DIN Rail Power Supply

DIN Rail Modules

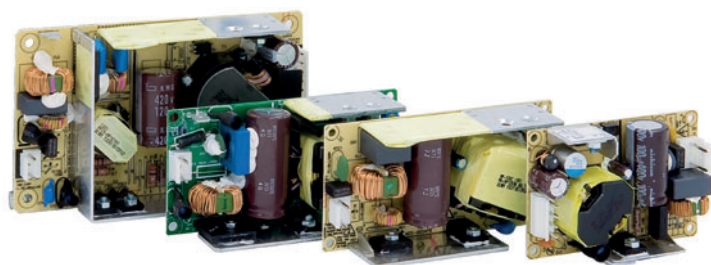
Panel Mount Power Supply

Open Frame Power Supply

PJT Open Frame Power Supply

15V Output

PJT



HIGHLIGHTS & FEATURES

- Universal AC input voltage
- Small standard footprint
- Low Leakage Current < 0.1mA
- Conforms to harmonic current IEC/EN 61000-3-2, Class A; Class D for PJT-15V100WBAA
- High MTBF > 700,000 hrs. as per Telcordia SR-332
- Short Circuit / Overvoltage / Overcurrent / Over Temperature Protections

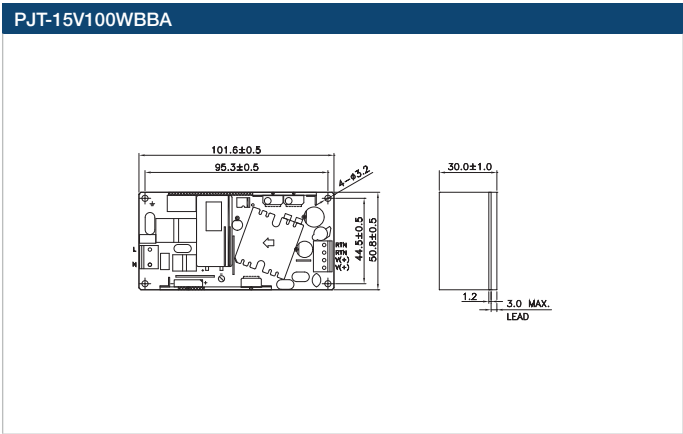
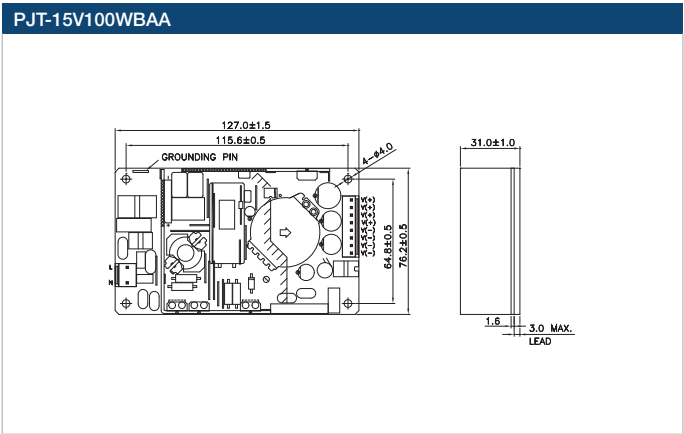
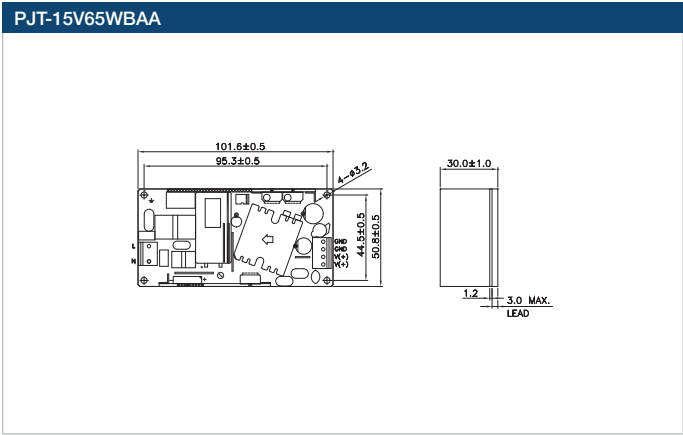
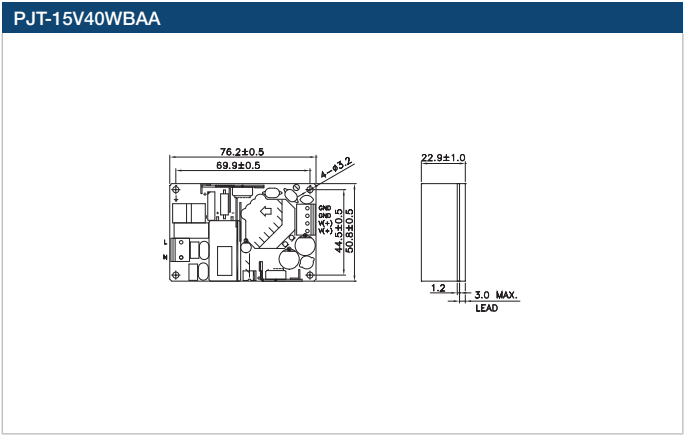
GENERAL SPECIFICATIONS

	PRELIMINARY	PRELIMINARY	PRELIMINARY	PRELIMINARY
OUTPUT	PJT-15V40WBAA	PJT-15V65WBAA	PJT-15V100WBAA	PJT-15V100WBBA
Output Voltage	15V	15V	15V	15V
Output Current	2.67A	4.20A	6.67A	5.30A (Convection) 6.70A (Forced Cooling)
Output Power	40W	63W	100W	80W (Convection) 100W (Forced Cooling)
Line Regulation	< 0.5%			
Load Regulation	< 1%			
PARD (20MHz)	< 150mVpp			
Hold-up Time	15ms typ. @ 115Vac		20ms typ. @ 115Vac	10ms typ. @ 115Vac
INPUT				
Phase Input	Single Phase			
Input Voltage Range	90-264Vac			
Input Frequency	47-63Hz			
Input Current	0.85A @ 115Vac & 230Vac	1.50A @ 115Vac, 0.75A @ 230Vac		2.50A @ 115Vac, 1.25A @ 230Vac
Efficiency ¹⁾ at 100% Load	87.0% typ. @ 115Vac & 230Vac	89.0% typ. @ 115Vac & 230Vac	91.0% typ. @ 115Vac & 230Vac	88.0% typ. @ 115Vac & 230Vac
Max Inrush Current (Cold Start)	30A typ. @ 115Vac, 60A typ. @ 230Vac			
Power Factor	Conform to EN 61000-3-2, Class A		Conform to EN 61000-3-2, Class D	Conform to EN 61000-3-2, Class A
Leakage Current	< 0.1mA @ 240Vac			
MECHANICAL				
Case Cover / Chassis	-			
Dimensions (L x W x D) ²⁾	76.2 x 50.8 x 23 mm	101.6 x 50.8 x 30 mm	127 x 76.2 x 31 mm	101.6 x 50.8 x 31 mm
Unit Weight ²⁾	0.08 kg	0.13 kg	0.21 kg	0.15 kg
Cooling System	Convection			Convection / Forced Cooling
Input Terminal	(JWT): A3963WV2-3P-D			
Output Terminal	(JWT): A3963WV2-4P		(JWT): A3963WV2-8P	(JWT): A3963WV2-4P
Input / Output Wire	AWG 22-18	AWG 22-18	AWG 22-18	AWG 22-18
MTBF ³⁾	> 700,000 hrs	> 700,000 hrs	> 700,000 hrs	> 700,000 hrs
ENVIRONMENT				
Operating Temperature	-10°C to +70°C			
Storage Temperature	-40°C to +85°C			
Power De-rating ²⁾	> 50°C (2.5% / °C)			
Operating Humidity	5 to 95% RH (Non-Condensing)			
Operating Altitude	0 to 5,000m			

Notes

- 1) At 25°C ambient temperature.
- 2) Open Frame (without chassis and cover).
- 3) MTBF as per Telcordia SR-332 (I/P: 115Vac, O/P: 100% load).
- 4) All parameters are specified at 25°C ambient temperature unless otherwise indicated.

MECHANICAL DRAWINGS



*Units in mm

DIN Rail Power Supply

DIN Rail Modules

Panel Mount Power Supply

Open Frame Power Supply

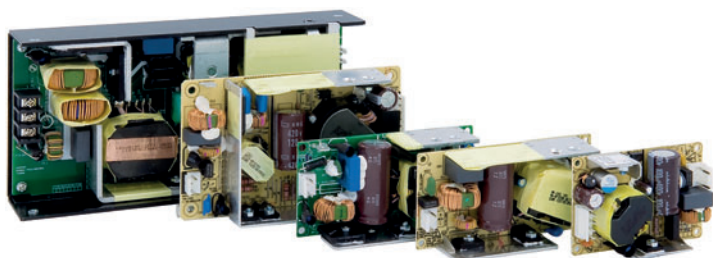
PJT Open Frame Power Supply

18V, 19V Output

PJT

HIGHLIGHTS & FEATURES

- Universal AC input voltage
- Small standard footprint
- Low Leakage Current < 0.1mA
- Conforms to harmonic current IEC/EN 61000-3-2, Class A; Class D for PJT-18V100WBAA and PJT-19V400WUAB
- High MTBF > 700,000 hrs. as per Telcordia SR-332
- Short Circuit / Overvoltage / Overcurrent / Over Temperature Protections



GENERAL SPECIFICATIONS

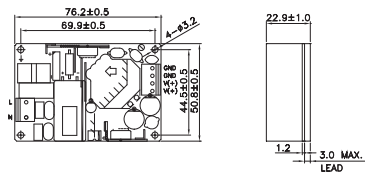
	PRELIMINARY	PRELIMINARY	PRELIMINARY	PRELIMINARY	PRELIMINARY
OUTPUT	PJT-18V40WBAA	PJT-18V65WBAA	PJT-18V100WBAA	PJT-18V100WBBA	PJT-19V400WUAB
Output Voltage	18V	18V	18V	18V	19V
Output Current	2.22A	3.61A	5.55A	4.40A (Convection) 5.50A (Forced Cooling)	15.8A (Convection) 21.1A (Forced Cooling)
Output Power	40W	65W	100W	80W (Convection) 100W (Forced Cooling)	300W (Convection) 400W (Forced Cooling)
Line Regulation	< 0.5%				
Load Regulation	< 1%				
PARD (20MHz)	< 180mVpp				< 190mVpp
Hold-up Time	15ms typ. @ 115Vac		20ms typ. @ 115Vac	10ms typ. @ 115Vac	12ms typ. @ 115Vac
INPUT					
Phase Input	Single Phase				
Input Voltage Range	90-264Vac				
Input Frequency	47-63Hz				
Input Current	0.85A @ 115Vac & 230Vac	1.50A @ 115Vac, 0.75A @ 230Vac		2.50A @ 115Vac, 1.25A @ 230Vac	5.50A @ 115Vac, 2.70A @ 230Vac
Efficiency ¹⁾ at 100% Load	87.0% typ. @ 115Vac & 230Vac	87.5% typ. @ 115Vac & 230Vac	91.0% typ. @ 115Vac & 230Vac	87.5% typ. @ 115Vac & 230Vac	91.0% typ. @ 115Vac & 230Vac
Max Inrush Current (Cold Start)	30A typ. @ 115Vac, 60A typ. @ 230Vac				60A typ. @ 115Vac & 230Vac
Power Factor	Conform to EN 61000-3-2, Class A		Conform to EN 61000-3-2, Class D	Conform to EN 61000-3-2, Class A	Conform to EN 61000-3-2, Class D
Leakage Current	< 0.1mA @ 240Vac				
MECHANICAL					
Case Cover / Chassis	-				
Dimensions (L x W x D) ²⁾	76.2 x 50.8 x 23 mm	101.6 x 50.8 x 30 mm	127 x 76.2 x 31 mm	101.6 x 50.8 x 31 mm	198 x 97 x 41.5 mm
Unit Weight ²⁾	0.08 kg	0.13 kg	0.21 kg	0.15 kg	0.89 kg
Cooling System	Convection			Convection / Forced Cooling	
Input Terminal	(JWT): A3963WV2-3P-D				M3.5 x 3 Pins (Rated 300V/15A)
Output Terminal	(JWT): A3963WV2-4P		(JWT): A3963WV2-8P	(JWT): A3963WV2-4P	M3.5 x 4 Pins (Rated 300V/15A)
Input / Output Wire	AWG 22-18	AWG 22-18	AWG 22-18	AWG 22-18	AWG 16
MTBF ³⁾	> 700,000 hrs	> 700,000 hrs	> 700,000 hrs	> 700,000 hrs	> 700,000 hrs
ENVIRONMENT					
Operating Temperature	-10°C to +70°C				
Storage Temperature	-40°C to +85°C				
Power De-rating ²⁾	> 50°C (2.5% / °C)				
Operating Humidity	5 to 95% RH (Non-Condensing)				
Operating Altitude	0 to 5,000m				

Notes

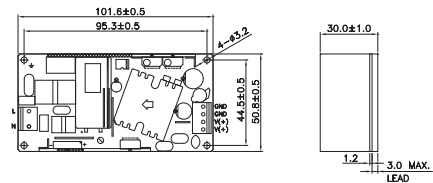
- 1) At 25°C ambient temperature.
- 2) Open Frame (without chassis and cover).
- 3) MTBF as per Telcordia SR-332 (I/P: 115Vac, O/P: 100% load).
- 4) All parameters are specified at 25°C ambient temperature unless otherwise indicated.

MECHANICAL DRAWINGS

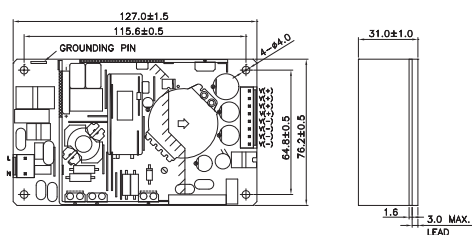
PJT-18V40WBAA



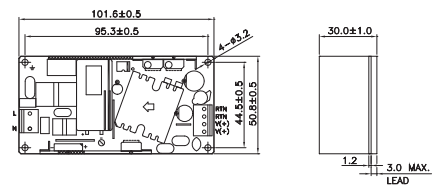
PJT-18V65WBAA



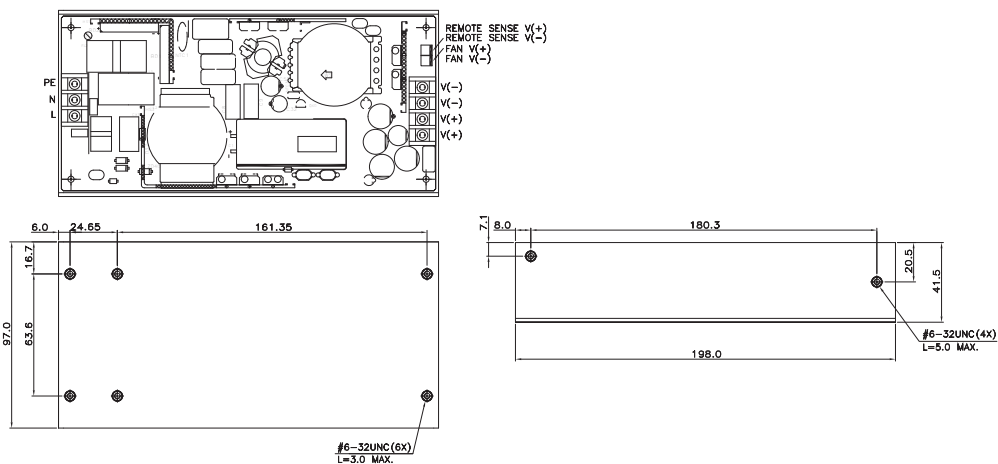
PJT-18V100WBAA



PJT-18V100WBBA



PJT-19V400WUAB



*Units in mm

DIN Rail Power Supply

DIN Rail Modules

Panel Mount Power Supply

Open Frame Power Supply

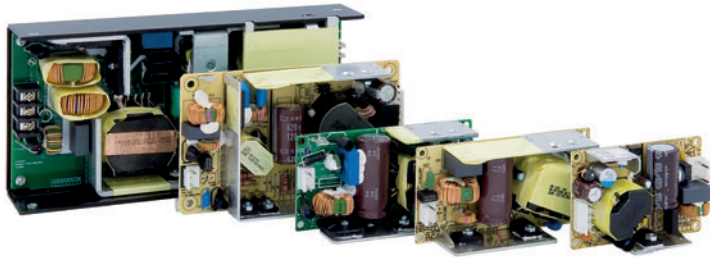
PJT Open Frame Power Supply

24V Output

PJT

HIGHLIGHTS & FEATURES

- Universal AC input voltage
- Small standard footprint
- Low Leakage Current < 0.1mA
- Conforms to harmonic current IEC/EN 61000-3-2, Class A; Class D for PJT-24V100WBAA and PJT-24V400WUAB
- High MTBF > 700,000 hrs. as per Telcordia SR-332
- Short Circuit / Overvoltage / Overcurrent / Over Temperature Protections



GENERAL SPECIFICATIONS

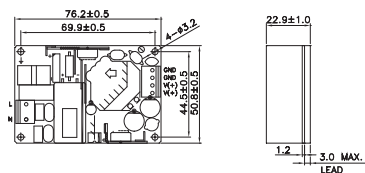
	PRELIMINARY	PRELIMINARY	PRELIMINARY	PRELIMINARY	PRELIMINARY
OUTPUT	PJT-24V40WBAA	PJT-24V65WBAA	PJT-24V100WBAA	PJT-24V100WBBA	PJT-24V400WUAB
Output Voltage	24V	24V	24V	24V	24V
Output Current	1.66A	2.71A	4.17A	3.30A (Convection) 4.20A (Forced Cooling)	12.5A (Convection) 16.7A (Forced Cooling)
Output Power	40W	65W	100W	80W (Convection) 100W (Forced Cooling)	300W (Convection) 400W (Forced Cooling)
Line Regulation	< 0.5%				
Load Regulation	< 1%				
PARD (20MHz)	< 240mVpp				
Hold-up Time	15ms typ. @ 115Vac		20ms typ. @ 115Vac	10ms typ. @ 115Vac	12ms typ. @ 115Vac
INPUT					
Phase Input	Single Phase				
Input Voltage Range	90-264Vac				
Input Frequency	47-63Hz				
Input Current	0.85A @ 115Vac & 230Vac	1.50A @ 115Vac, 0.75A @ 230Vac		2.50A @ 115Vac, 1.25A @ 230Vac	5.50A @ 115Vac, 2.70A @ 230Vac
Efficiency ¹⁾ at 100% Load	86.0% typ. @ 115Vac & 230Vac	88.0% typ. @ 115Vac & 230Vac	90.5% typ. @ 115Vac & 230Vac	89.0% typ. @ 115Vac & 230Vac	91.0% typ. @ 115Vac & 230Vac
Max Inrush Current (Cold Start)	30A typ. @ 115Vac, 60A typ. @ 230Vac				60A typ. @ 115Vac & 230Vac
Power Factor	Conform to EN 61000-3-2, Class A		Conform to EN 61000-3-2, Class D	Conform to EN 61000-3-2, Class A	Conform to EN 61000-3-2, Class D
Leakage Current	< 0.1mA @ 240Vac				
MECHANICAL					
Case Cover / Chassis	-				
Dimensions (L x W x D) ²⁾	76.2 x 50.8 x 23 mm	101.6 x 50.8 x 30 mm	127 x 76.2 x 31 mm	101.6 x 50.8 x 31 mm	198 x 97 x 41.5 mm
Unit Weight ²⁾	0.08 kg	0.13 kg	0.21 kg	0.15 kg	0.89 kg
Cooling System	Convection			Convection / Forced Cooling	
Input Terminal	(JWT): A3963WV2-3P-D				M3.5 x 3 Pins (Rated 300V/15A)
Output Terminal	(JWT): A3963WV2-4P		(JWT): A3963WV2-8P	(JWT): A3963WV2-4P	M3.5 x 4 Pins (Rated 300V/15A)
Input / Output Wire	AWG 22-18	AWG 22-18	AWG 22-18	AWG 22-18	AWG 16
MTBF ³⁾	> 700,000 hrs	> 700,000 hrs	> 700,000 hrs	> 700,000 hrs	> 700,000 hrs
ENVIRONMENT					
Operating Temperature	-10°C to +70°C				
Storage Temperature	-40°C to +85°C				
Power De-rating ²⁾	> 50°C (2.5% / °C)				
Operating Humidity	5 to 95% RH (Non-Condensing)				
Operating Altitude	0 to 5,000m				

Notes

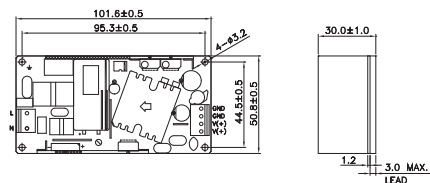
- 1) At 25°C ambient temperature.
- 2) Open Frame (without chassis and cover).
- 3) MTBF as per Telcordia SR-332 (I/P: 115Vac, O/P: 100% load).
- 4) All parameters are specified at 25°C ambient temperature unless otherwise indicated.

MECHANICAL DRAWINGS

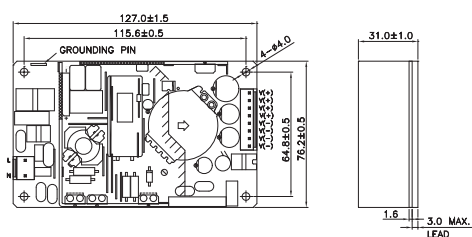
PJT-24V40WBAA



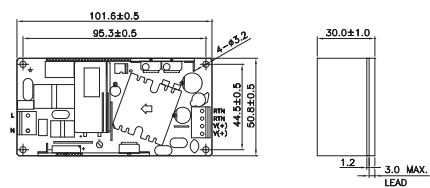
PJT-24V65WBAA



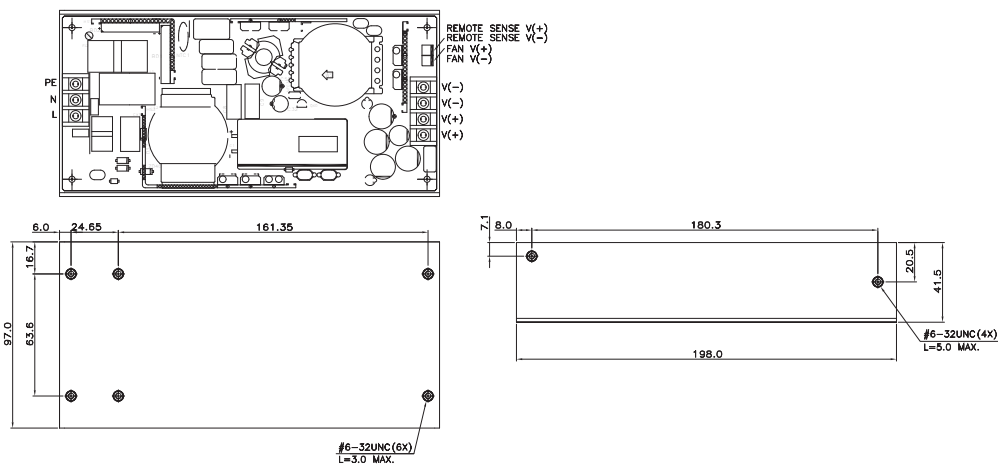
PJT-24V100WBAA



PJT-24V100WBBA



PJT-24V400WUAB



*Units in mm

DIN Rail Power Supply

DIN Rail Modules

Panel Mount Power Supply

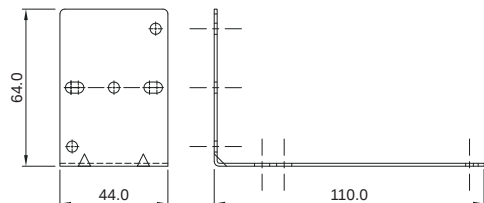
Open Frame Power Supply

Accessories

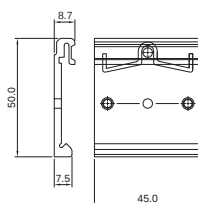
L-01, L-02, L-03A, P-03

DIN Rail Accessories

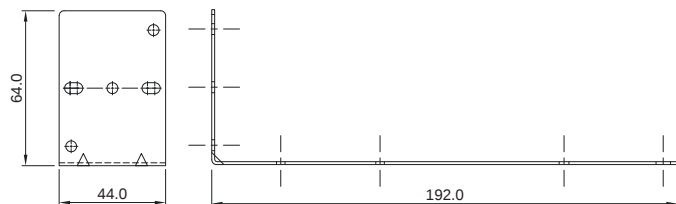
■ L-01



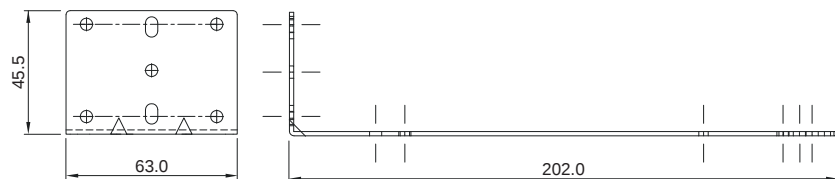
■ P-03



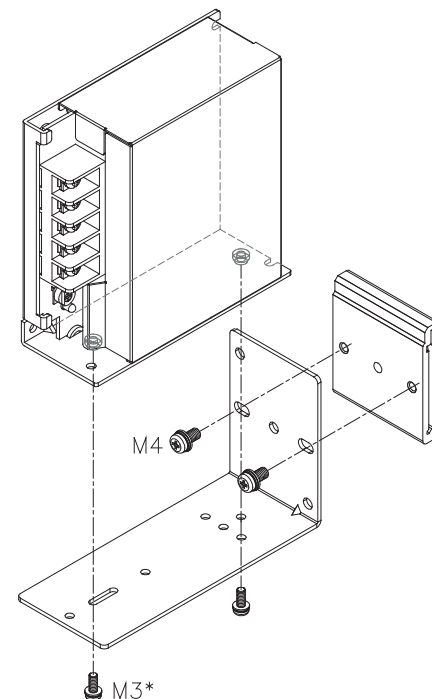
■ L-02



■ L-03A

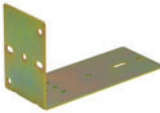
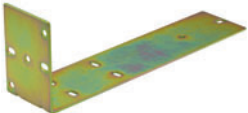
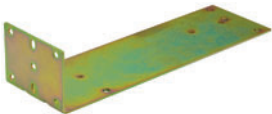


Accessories Assembly



*Except PMC-24V300W1BA. Please use M4 screws only.

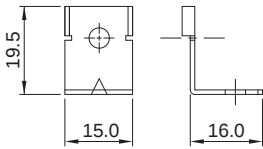
Model Information

Item	Model Number	Compatible Models
	L-01	PMC-05V015W1AA, PMC-05V035W1AA, PMC-05V050W1AA PMC-12V035W1AA, PMC-12V050W1AA, PMC-12V060W1NA PMC-24V035W1A□, PMC-24V050W1A□, PMC-24V075W1A□ PMT-12V35W1A□, PML-12V35W1A□, PMT-12V50W1A□, PML-12V50W1A□ PMT-24V35W1A□, PML-24V35W1A□, PMT-24V50W1A□, PML-24V50W1A□ PMH-24V50WCAA PMT-5V35W1A□, PML-5V35W1A□, PMT-5V50W1A□, PML-5V50W1A□
	L-02	PMC-12V100W1AA, PMC-12V150W1B□ PMC-24V100W1A□, PMC-24V150W1A□, PMC-24V150W1B□, PMC-24V150W2AA, PMC-DSPV100W1A PMC-48V150W1B□ PMT-12V100W1A□, PML-12V100W1A□, PMT-12V150W1A□, PML-12V150W1A□ PMT-24V100W1A□, PML-24V100W1A□, PMT-24V150W1A□, PML-24V150W1A□ PMT-48V150W1A□, PML-48V150W1A□ PMT-D1V100W1A□, PML-D1V100W1A□, PMT-D2V100W1A□, PML-D2V100W1A□
	L-03A	PMC-24V300W1BA PMF-24V200WC□□, PMF-24V240WC□□
	P-03	All models *P-03 must be used with L-01, L-02 or L-03A

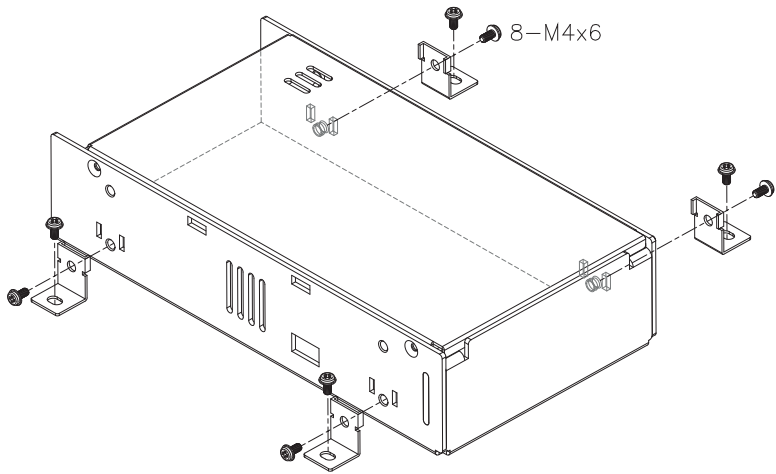
LM-01

Panel Mount Accessories

■ LM-01



Accessories Assembly



Model Information

Item	Model Number	Compatible Models
	LM-01	PMT-4V350W1A□ PMT-5V350W1A□ PMT-24V200W1A□, PML-24V200W1A□, PMT-24V350W1AG, PMT-24V350W1AK PMF-5V320WC□□ PMF-24V200WC□□, PMF-24V240WC□□, PMF-24V320WC□□ PMR-4V320WD□A, PMR-5V320WD□A, PMR-5V320WC□A

Standards & Approvals

Delta Standard Power Supplies

	CE	CB Scheme to IEC 60950-1	SIO or TUV or NEMKO to EN 60950-1	UL 60950-1	UL 508	UL 1310	NEC Class 2	CSA C22.2 No. 107.1-01	CSA C22.2 No. 60950-1	ATEX EN 60079-15	CSA C22.2 No. 213 and ANSI/ISA-12.12.09	GOST-R (Russia)	EN 61204-3	CCC (China)	SEMI F47	RoHS Directive 2011/65/EU	EN 61000-3-2 (PFC)	EN 61000-3-3 (Flicker)	EN 61000-6-1 (Immunity)	EN 61000-6-2 (Immunity)	EN 55024 (Immunity)	EN 55011 Class B (Emissions)	EN 55022 Class B (Emissions)
DIN Rail Power Supply																							
DRP012V015W1AY	●	●	●	●	●			●		●	●					●	●	●	●	●	●	●	●
DRP012V015W1AZ	●	●	●	●	●			●				●				●	●	●	●	●	●	●	●
DRP012V030W1AY	●	●	●	●	●			●		●	●					●	●	●	●	●	●	●	●
DRP012V030W1AZ	●	●	●	●	●			●				●				●	●	●	●	●	●	●	●
DRP012V060W1AA	●	●	●	●	●			●		●	●	●				●	●	●	●	●	●	●	●
DRP012V100W1AA	●	●	●	●	●			●		●	●	●				●	●	●	●	●	●	●	●
DRP-24V48W1AZ	●	●	●	●	●			●								●	●	●		●	●	●	●
DRP024V060W1AZ	●	●	●	●	●			●	●			●				●	●	●	●		●	●	●
DRP024V060W1AA	●	●	●	●	●			●	●	●	●	●			●	●	●	●			●	●	●
DRP024V120W1AA	●	●	●	●	●			●	●	●	●	●			●	●	●	●			●	●	●
DRP024V240W1AA	●	●	●	●	●			●	●	●	●	●			●	●	●	●			●	●	●
DRP024V480W1AA	●	●	●	●	●				●	●	●	●			●	●	●	●			●	●	●
DRP024V060W1BA	●	●	●	●	●			●		●	●	●	●			●	●	●	●	●	●	●	●
DRP024V060W1BN	●	●	●	●	●			●					●			●	●	●	●	●	●	●	●
DRP024V120W1BA	●	●	●	●	●			●		●	●	●	●	●		●	●	●	●	●	●	●	●
DRP024V120W1BN	●	●	●	●	●			●					●	●		●	●	●	●	●	●	●	●
DRP024V240W1BA	●	●	●	●	●			●		●	●		●			●	●	●	●	●	●	●	●
DRP024V240W1BN	●	●	●	●	●			●					●			●	●	●	●	●	●	●	●
DRP024V480W1BA	●	●	●	●	●			●		●	●		●			●	●	●		●	●	●	●
DRP024V480W1BN	●	●	●	●	●			●					●			●	●	●		●	●	●	●
DRP024V060W1NY	●	●	●	●	●	●	●	●		●	●		●			●	●	●		●	●	●	●
DRP024V060W1NZ	●	●	●	●	●	●	●	●					●			●	●	●		●	●	●	●
DRP-24V100W1NN	●	●	●	●	●	●	●	●					●			●	●	●		●	●	●	●
DRP-24V120W2BN	○	○	○	○	○			○					○			○	○	○		○	○	○	○
DRP024V060W3BA	●	●	●	●	●			●		●	●		●			●	●	●		●	●	●	●
DRP024V060W3BN	●	●	●	●	●			●					●			●	●	●		●	●	●	●
DRP024V120W3BA	●	●	●	●	●			●		●	●		●			●	●	●		●	●	●	●
DRP024V120W3BN	●	●	●	●	●			●					●			●	●	●		●	●	●	●
DRP024V240W3BA	●	●	●	●	●			●		●	●		●			●	●	●		●	●	●	●
DRP024V240W3BN	●	●	●	●	●			●					●			●	●	●		●	●	●	●
DRP024V480W3BA	●	●	●	●	●			●		●	●		●			●	●	●		●	●	●	●
DRP024V480W3BN	●	●	●	●	●			●					●			●	●	●		●	●	●	●
DRP024V960W3BN	●	●	●	●	●			●					●			●	●	●		●	●	●	●
DRP048V060W1BA	●	●	●	●	●			●		●	●		●			●	●	●	●	●	●	●	●
DRP048V060W1BN	●	●	●	●	●			●					●			●	●	●	●	●	●	●	●
DRP048V120W1BA	●	●	●	●	●			●		●	●		●	●		●	●	●	●	●	●	●	●
DRP048V120W1BN	●	●	●	●	●			●					●	●		●	●	●	●	●	●	●	●
DRP048V240W1BA	●	●	●	●	●			●		●	●		●			●	●	●		●	●	●	●
DRP048V240W1BN	●	●	●	●	●			●					●			●	●	●	●	●	●	●	●
DRP048V480W1BA	●	●	●	●	●			●		●	●		●			●	●	●		●	●	●	●
DRP048V480W1BN	●	●	●	●	●			●					●			●	●	●		●	●	●	●

○ Pending

	CE	CB Scheme to IEC 60950-1	SIQ or TUV or NEMKO to EN 60950-1	UL 60950-1	UL 508	NEC Class 2	CSA C22.2 No. 107.1-01	CSA C22.2 No. 60950-1	ATEX EN 60079-15	CSA C22.2 No. 213 and ANSI/ISA-12.12.09	GOST-R (Russia)	EN 61204-3	CCC (China)	RoHS Directive 2011/65/EU	EN 61000-3-2 (PFC)	EN 61000-3-3 (Flicker)	EN 61000-6-1 (immunity)	EN 61000-6-2 (immunity)	EN 55024 (immunity)	EN 55011 Class B	EN 55022 Class A (Emissions)	EN 55022 Class B (Emissions)
DIN Rail Power Supply																						
DRC-12V30W1AZ	●	●	●	●	●	●								●	●	●			●			●
DRC-12V60W1AZ	●	●	●	●	●	●								●	●	●			●		●	
DRC-24V10W1AZ	●	●	●	●	●	●								●	●	●			●			●
DRC-24V30W1AZ	●	●	●	●	●	●								●	●	●			●			●
DRC-24V60W1AZ	○	○	○	○	○	○								○	●	○			○		○	
DRC-24V100W1AZ	●	●	●	●	●	●								●	●	●			●			●
DIN Rail Modules																						
DRR-20A	●	●	●	●	●				●	●	●			●			●	●	●	●		●
DRR-20N	●	●	●	●	●									●			●	●	●	●		●
DRR-40A	●	●	●	●	●				●	●	●			●			●	●	●	●		●
DRR-40N	●	●	●	●	●									●			●	●	●	●		●
DRU-24V40ABN	●	●	●	●	●		●					●		●				●	●	●		●
DRB-24V020ABA	●	●	●	●	●		●		●	●		●		●	●	●		●	●	●		●
DRB-24V020ABN	●	●	●	●	●		●					●		●	●	●		●	●	●		●
DRB-24V040ABN	●	●	●	●	●		●					●		●	●	●		●	●	●		●
Panel Mount Power Supply																						
PMC-05V015W1AA	●	●	●	●									●	●	●	●			●			●
PMC-05V035W1AA	●	●	●	●							●		●	●	●	●			●			●
PMC-05V050W1AA	●	●	●	●									●	●	●	●			●			●
PMC-12V035W1AA	●	●	●	●							●		●	●	●	●			●			●
PMC-12V050W1AA	●	●	●	●							●		●	●	●	●			●			●
PMC-12V060W1NA	●	●	●	●		●								●	●	●			●			●
PMC-12V100W1AA	●	●	●	●							●		●	●	●	●			●			●
PMC-12V150W1B□	●	●	●	●									●	●	●	●			●			●
PMC-24V035W1A□	●	●	●	●							●		●	●	●	●			●			●
PMC-24V050W1A□	●	●	●	●							●		●	●	●	●			●			●
PMC-24V075W1A□	●	●	●	●									●	●	●	●			●			●
PMC-24V100W1A□	●	●	●	●							●		●	●	●	●			●			●
PMC-24V150W1A□	●	●	●	●							●			●		●			●			●
PMC-24V150W2AA	●	●	●	●									●	●	●	●			●			●
PMC-24V150W1B□	●	●	●	●									●	●	●	●			●			●
PMC-24V300W1BA	●	●	●	●									●	●	●	●			●			●
PMC-24V600W1BA	●	●	●	●										●	●	●		●	●	●		●
PMC-DSPV100W1A	●	●	●	●							●		●	●	●	●			●			●
PMC-48V150W1B□	●	●	●	●									●	●	●	●			●			●

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Standards & Approvals

Delta Standard Power Supplies

	CE	CB Scheme to IEC 60950-1	CB Scheme to IEC 60335-1	CB Scheme to EN 61558-1, EN 61558-2-16	SIQ or TUV or NEMKO to EN 60950-1	UL 60950-1	EN 60335-1	CSA C22.2 No. 107.1-01	CSA C22.2 No. 60950-1	ATEX EN 60079-15	CSA C22.2 No. 213 and ANSI/ISA-12.12.09	CCC (China)	RoHS Directive 2011/65/EU	EN 61000-3-2 (PFC)	EN 61000-3-3 (Flicker)	EN 61000-6-1 (Immunity)	EN 55014-2 (Immunity)	EN 55024 (Immunity)	EN 55011 Class B (Emissions)	EN 55022 Class A (Emissions)	EN 55022 Class B (Emissions)	EN 55014-1 (Emissions)	EN 61000-6-3 (Emissions)
Panel Mount Power Supply																							
PMH-24V50WCAA	●	●	●	●	●	●	●						●		●	●	●	●			●	●	●
PMF-5V320WC□□	○	○			○	○						○	○	○	○			○			○		
PMF-24V200WC□□	●	●			●	●						●	●	●	●			●			●		
PMF-24V240WC□□	●	●			●	●						●	●	●	●			●			●		
PMF-24V320WC□□	○	○			○	○						○	○	○	○			○			○		
PMR-4V320WD□A	○	○			○	○						○	○	○	○			○			○		
PMR-5V320WD□A	○	○			○	○						○	○	○	○			○			○		
PMR-5V320WC□A	○	○			○	○						○	○	○	○			○			○		
PMT-4V350W1A□		●				●							●					●		●			
PM□-5V35W1A□	○	○			○	○						○	○	○	○			○			○		
PM□-5V50W1A□	○	○			○	○						○	○	○	○			○			○		
PMT-5V350W1A□		●				●							●					●		●			
PM□-12V35W1A□	●	●			●	●						●	●	●	●			●			●		
PM□-12V50W1A□	●	●			●	●						●	●	●	●			●			●		
PM□-12V100W1A□	●	●			●	●						●	●	●	●			●			●		
PM□-12V150W1A□	●	●			●	●						●	●	●	●			●			●		
PM□-24V35W1A□	●	●			●	●						●	●	●	●			●			●		
PM□-24V50W1A□	●	●			●	●						●	●	●	●			●			●		
PM□-24V100W1A□	●	●			●	●						●	●	●	●			●			●		
PM□-24V150W1A□	●	●			●	●						●	●	●	●			●			●		
PM□-24V200W1A□		●				●							●										
PMT-24V350W1AG		●				●							●										
PMT-24V350W1AK	●	●			●	●							●					●	●		●		
PM□-48V150W1A□	●	●			●	●						●	●	●	●			●			●		
PM□-D1V100W1A□	●	●			●	●						●	●	●	●			●			●		
PM□-D2V100W1A□	●	●			●	●						●	●	●	●			●			●		

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	CE	CB Scheme to IEC 60950-1	SIQ or TUV or NEMKO to EN 60950-1	UL 60950-1	UL 508	UL 1310	NEC Class 2	CSA C22.2 No. 107.1-01	CSA C22.2 No. 60950-1	ATEX EN 60079-15	CSA C22.2 No. 213 and ANSI/ISA-12.12.09	CCC (China)	SEMI F47	RoHS Directive 2011/65/EU	EN 61000-3-2 (PFC)	EN 61000-3-3 (Flicker)	EN 61000-6-1 (EMC-Immunity)	EN 61000-6-2 (EMC-Immunity)	EN 55024	EN 55011 Class B	EN 55022 Class A	EN 55022 Class B
Open Frame Power Supply																						
PJ-12V15W□□NA	●	●	●	●										●	●	●			●			●
PJ-12V30W□□NA	●	●	●	●										●	●	●			●			●
PJ-12V50W□□NA	●	●	●	●										●	●	●			●			●
PJ-12V100W□□□A	●	●	●	●										●	●	●			●			●
PJ-12V150W□□□A	●	●	●	●										●	●	●			●			●
PJ-24V30W□□NA	●	●	●	●										●	●	●			●			●
PJ-24V50W□□NA	●	●	●	●										●	●	●			●			●
PJ-24V100W□□□A	●	●	●	●										●	●	●			●			●
PJ-24V150W□□□A	●	●	●	●										●	●	●			●			●
PJ-5V15W□□NA	●	●	●	●										●	●	●			●			●
PJ-48V50W□□NA	●	●	●	●										●	●	●			●			●
PJB-24V100W□□□A	●	●	●	●										●	●	●			●			●
PJB-24V150W□□□A	○	○	○	○										○	○	○			○			○
PJT-12V40WBAA	○	○	○	○										○	○	○			○			○
PJT-12V65WBAA	○	○	○	○										○	○	○			○			○
PJT-12V100WBAA	○	○	○	○										○	○	○			○			○
PJT-12V100WBBA	○	○	○	○										○	○	○			○			○
PJT-15V40WBAA	○	○	○	○										○	○	○			○			○
PJT-15V65WBAA	○	○	○	○										○	○	○			○			○
PJT-15V100WBAA	○	○	○	○										○	○	○			○			○
PJT-15V100WBBA	○	○	○	○										○	○	○			○			○
PJT-18V40WBAA	○	○	○	○										○	○	○			○			○
PJT-18V65WBAA	○	○	○	○										○	○	○			○			○
PJT-18V100WBAA	○	○	○	○										○	○	○			○			○
PJT-18V100WBBA	○	○	○	○										○	○	○			○			○
PJT-19V400WUAB	○	○	○	○										○	○	○			○			○
PJT-24V40WBAA	○	○	○	○										○	○	○			○			○
PJT-24V65WBAA	○	○	○	○										○	○	○			○			○
PJT-24V100WBAA	○	○	○	○										○	○	○			○			○
PJT-24V100WBBA	○	○	○	○										○	○	○			○			○
PJT-24V400WUAB	○	○	○	○										○	○	○			○			○

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