

Industrial 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	Output Power	Input Voltage Range*	Page
			1						
DIN Rail Power Supply	Sync • Compact • NEC Class 2 • Competitively priced	DRS-5V30W1NZ	●		5V	3.0A	15W	85-264Vac (DC input range 120-375Vdc)	37
		DRS-5V50W1A□	●			6.0A	30W		
		DRS-5V50W1N□	●			5.0A	25W		
		DRS-12V50W1N□	●		12V	4.0A	48W	85-264Vac	38
		DRS-24V30W1AZ	●		24V	1.25A	30W	85-264Vac (DC input range 120-375Vdc)	
		DRS-24V30W1NZ	●			1.25A	30W		
		DRS-24V50W1N□	●			2.1A	50W		
		DRS-24V100W1A□	●	●		4.0A	96W		
		DRS-24V100W1N□	●	●		3.8A	91.2W		

* DC input is certified for selected models

Product Type	Series	Model Name	Phase	PFC	Output Voltage	Output Current	Output Power	Input Voltage Range	Page
			1						
Panel Mount Power Supply	PMT - AC input voltage selectable switch - High MTBF	PMT-4V350W1A□	●		4.2V	60.0A	252W	90-132Vac, 180-264Vac (Selectable by Switch)	41
		PM□-5V35W1A□	●		5V	7.0A	35W	85-264Vac	
		PM□-5V50W1A□	●			10.0A	50W		
		PMT-5V350W1A□	●			60.0A	300W	90-132Vac, 180-264Vac (Selectable by Switch)	42
		PM□-12V35W1A□	●		12V	2.92A	35W	90-264Vac	
		PM□-12V50W1A□	●			4.2A	50W		
		PM□-12V100W1A□	●			8.5A	102W	85-132Vac, 176-264Vac (Selectable by Switch)	
		PM□-12V150W1A□	●			12.5A	150W	90-132Vac, 180-264Vac (Selectable by Switch)	
		PMT-12V350W1A□	●			29.0A	348W		
		PM□-15V50W1A□	●			15V	3.4A	51W	85-264Vac
		PM□-24V35W1A□	●		24V	1.46A	35W		
		PM□-24V50W1A□	●			2.09A	50W		
		PM□-24V100W1A□	●			4.5A	108W	85-132Vac, 176-264Vac (Selectable by Switch)	
		PM□-24V150W1A□	●		6.5A	156W	90-132Vac, 180-264Vac (Selectable by Switch)	44	
		PM□-24V200W1A□	●		8.8A	211.2W	90-132Vac, 180-264Vac (Selectable by Switch)		
		PMT-24V350W1AG	●		14.6A	350.4W			
		PMT-24V350W1AM	●		14.6A	350.4W			
		PMT-24V350W1AK	●		14.6A	350.4W			
		PMT-24V350W1AR	●		14.6A	350.4W			
		PMT-36V350W1A□	●		36V	9.7A	349.2W	90-132Vac, 180-264Vac (Selectable by Switch)	45
		PM□-48V150W1A□	●		48V	3.3A	158.2W		
		PMT-48V350W1A□	●		7.3A	350W			
		PM□-D1V100W1A□	●		12V/5V	7.0A/3.0A	99W	88-132Vac, 176-264Vac (Selectable by Switch)	
		PM□-D2V100W1A□	●		24V/5V	3.5A/3.0A	99W		

Panel Mount Power Supply Model Numbering

							CC Code ⁶⁾
PM	□ -	XXV	XXXW	1	A	□	□
Panel Mount	Product Type T - Enclosed L - L Frame ¹⁾ B - Open Frame ²⁾	Output Voltage	Output Power	Phase Input 1 - Single Phase	No PFC	Connector Type With UL, TUV, CE, CCC A - Terminal Block G - Front Face ^{3) 5)} H - Harness ³⁾ With UL, TUV, CE R - Terminal Block K - Front Face ⁴⁾ With UL M - Terminal Block ⁵⁾ N - Front Face	Blank - Without connector cover A - With connector cover B - With conformal coating C - With conformal coating and connector cover
PM	□ -	XXV	XXXW	1	A	□	□
Panel Mount	Product Type T - Enclosed L - L Frame ¹⁾	Output Voltage Dual Output D1 - 12V / 5V D2 - 24V / 5V	Output Power	Phase Input 1 - Single Phase	No PFC	Connector Type A - Terminal Block G - Front Face ⁷⁾ H - Harness ⁷⁾	Blank - Without connector cover B - With conformal coating

1) Options for 35W-200W

2) Options for 35W and 50W (except for 5V/35W, 5V/50W and 15V/50W models)

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

4) Options for PMT-24V350W1AK, PMT-36V350W1A□ and PMT-48V350W1A□

5) PMT-24V350W1AG and PMT-24V350W1AM is certified to UL only

6) Options for Terminal Block with Enclosed type only

A - For 4V/350W, 5V/350W, 24V/35W-100W models

B - For 4V/350W, 5V/350W, 12V/35W-150W, 24V/35W-200W models

C - For PMT-4V350W1AM and PMT-5V350W1AM

7) Options for dual output



PMT

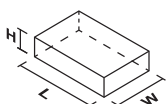
Features

- AC input voltage range selectable by switch (Universal AC input voltage range for selected models)
- Conforms to harmonic current IEC/EN 61000-3-2, Class A for selected models
- 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

Specifications

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	7.0A	10.0A	60.0A
Output Power		252W	35W	50W	300W
PARD (20MHz)		< 150mVpp	< 80mVpp		< 150mVpp
Hold-up Time	115Vac	16ms typ.	20ms typ.	20ms typ.	16ms typ.
	230Vac	20ms typ.	100ms typ.	100ms typ.	20ms typ.
INPUT					
Phase Input		Single Phase			
Input Voltage Range		90-132Vac, 180-264Vac (Selectable by Switch)	85-264Vac		90-132Vac, 180-264Vac (Selectable by Switch)
Input Frequency		47-63Hz			
Input Current	115Vac	7.00A typ.	0.75A typ.	1.10A typ.	7.00A typ.
	230Vac	4.00A typ.	0.50A typ.	0.65A typ.	4.00A typ.
Efficiency ¹⁾ at 100% Load	230Vac	76.0% typ.	81.0% typ.	82.0% typ.	78.0% typ.
Max Inrush Current (Cold Start)	115Vac	40A typ.	-	-	40A typ.
	230Vac	60A typ.	45A typ.	45A typ.	60A typ.
Power Factor		NA	Conform to EN 61000-3-2		NA
Leakage Current	240Vac	< 1mA	< 0.5mA	< 1mA	< 1mA
MECHANICAL					
Case Cover / Chassis		Aluminium	SGCC / Aluminium		Aluminium
Dimensions (L × W × H)	mm	215 × 115 × 50	98 × 98 × 38	98 × 98 × 38	215 × 115 × 50
	inch	8.46 × 4.53 × 1.97	3.86 × 3.86 × 1.50	3.86 × 3.86 × 1.50	8.46 × 4.53 × 1.97
Unit Weight	kg	0.81	0.23	0.23	0.81
	lb	1.79	0.51	0.51	1.79
Cooling System		Forced Air (Built-in Fan)	Convection		Forced Air (Built-in Fan)
MTBF ²⁾		> 700,000 hrs	> 700,000 hrs	> 700,000 hrs	> 700,000 hrs
ENVIRONMENT					
Operating Temperature ³⁾		-10°C to +70°C			
Storage Temperature		-25°C to +85°C			
Operating Humidity		5 to 95% RH (Non-Condensing)			
Operating Altitude		0 to 5,000 m (0 to 16,400 ft)			

Dimensions Reference



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-4V350W1A□ and PMT-5V350W1A□ models, MTBF calculations do not include fan life time.
- 3) Refer power de-rating in the product datasheet.
- 4) All parameters are specified at 25°C ambient temperature unless otherwise indicated.



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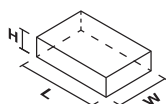
Features

- AC input voltage range selectable by switch (Universal AC input voltage range 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 150W and below):
 - Open Frame (35W and 50W)
 - L Frame
 - Enclosed

Specifications

OUTPUT		PM□-12V35W1A□	PM□-12V50W1A□	PM□-12V100W1A□	PM□-12V150W1A□	PMT-12V350W1A□
Output Voltage		12V	12V	12V	12V	12V
Output Voltage Range		11-14V	11-14V	11.4-13.2V	11.4-13.5V	10.8-13.2V
Output Current		2.92A	4.17A	8.5A	12.5A	29.0A
Output Power		35W	50W	102W	150W	348W
PARD (20MHz)		< 100mVpp		< 120mVpp		< 150mVpp
Hold-up Time	115Vac	16.7ms typ.	16.7ms typ.	25ms typ.	20ms typ.	12ms typ.
	230Vac	-	-	30ms typ.	24ms typ.	16ms typ.
INPUT						
Phase Input		Single Phase				
Input Voltage Range		90-264Vac		85-132Vac, 176-264Vac (Selectable by Switch)	90-132Vac, 180-264Vac (Selectable by Switch)	
Input Frequency		47-63Hz				
Input Current	115Vac	0.75A typ.	1.10A typ.	2.00A typ.	3.00A typ.	7.00A typ.
	230Vac	0.50A typ.	0.70A typ.	1.20A typ.	2.00A typ.	4.00A typ.
Efficiency ¹⁾ at 100% Load	115Vac	84.0% typ.	83.0% typ.			
	230Vac			87.5% typ.	86.0% typ.	84.0% typ.
Max Inrush Current (Cold Start)	115Vac	30A typ.	30A typ.			50A typ.
	230Vac	60A typ.	65A typ.	36A typ.	45A typ.	60A typ.
Power Factor		Conform to EN 61000-3-2				
Leakage Current	240Vac	< 1mA	< 1mA	< 0.5mA	< 0.5mA	< 3.5mA
MECHANICAL						
Case Cover / Chassis		SGCC / Aluminium				
Dimensions (L × W × H)	mm	98 × 98 × 38	98 × 98 × 38	158 × 97 × 38	178 × 97 × 38	215 × 115 × 50
	inch	3.86 × 3.86 × 1.50	3.86 × 3.86 × 1.50	6.22 × 3.82 × 1.50	7.01 × 3.82 × 1.50	8.46 × 4.53 × 1.97
Unit Weight	kg	0.22	0.23	0.36	0.48	0.82
	lb	0.49	0.51	0.79	1.06	1.81
Cooling System		Convection				Forced Air (Built-in Fan)
MTBF ²⁾		> 700,000 hrs	> 700,000 hrs	> 700,000 hrs	> 700,000 hrs	> 700,000 hrs
ENVIRONMENT						
Operating Temperature ³⁾		-10°C to +70°C				
Storage Temperature		-25°C to +85°C				
Operating Humidity		5 to 95% RH (Non-Condensing)				
Operating Altitude		0 to 5,000 m (0 to 16,400 ft)				

Dimensions Reference



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-12V350W1A□ models, MTBF calculations do not include fan life time.
- 3) Refer power de-rating in the product datasheet.
- 4) All parameters are specified at 25°C ambient temperature unless otherwise indicated.



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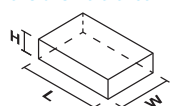
Features

- AC input voltage range selectable by switch (Universal AC input voltage range 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, except 15V 50W)
 - L Frame
 - Enclosed

Specifications

OUTPUT		PM□-15V50W1A□	PM□-24V35W1A□	PM□-24V50W1A□	PM□-24V100W1A□	PM□-24V150W1A□
Output Voltage		15V	24V	24V	24V	24V
Output Voltage Range		13.5-16.5V	22-28V	22-28V	22.8-26.4V	22.8-27.6V
Output Current		3.4A	1.46A	2.1A	4.5A	6.5A
Output Power		51W	35W	50W	108W	156W
PARD (20MHz)		< 150mVpp	< 100mVpp		< 120mVpp	
Hold-up Time	115Vac	20ms typ.	16.7ms typ.	16.7ms typ.	25ms typ.	20ms typ.
	230Vac	100ms typ.	-	-	30ms typ.	24ms typ.
INPUT						
Phase Input		Single Phase				
Input Voltage Range		85-264Vac			85-132Vac, 176-264Vac (Selectable by Switch)	90-132Vac, 180-264Vac (Selectable by Switch)
Input Frequency		47-63Hz				
Input Current	115Vac	1.10A typ.	0.75A typ.	1.10A typ.	2.00A typ.	3.00A typ.
	230Vac	0.65A typ.	0.50A typ.	0.65A typ.	1.20A typ.	2.00A typ.
Efficiency ¹⁾ at 100% Load	115Vac	-	85.0% typ.	86.0% typ.	-	-
	230Vac	85.5% typ.			89.0% typ.	89.0% typ.
Max Inrush Current (Cold Start)	115Vac	-	30A typ.	30A typ.	-	-
	230Vac	45A typ.	60A typ.	60A typ.	36A typ.	45A typ.
Power Factor		Conform to EN 61000-3-2				
Leakage Current	240Vac	< 0.5mA	< 1mA	< 1mA	< 0.5mA	< 0.5mA
MECHANICAL						
Case Cover / Chassis		SGCC / Aluminium				
Dimensions (L × W × H)	mm	98 × 98 × 38	98 × 98 × 38	98 × 98 × 38	158 × 97 × 38	178 × 97 × 38
	inch	3.86 × 3.86 × 1.50	3.86 × 3.86 × 1.50	3.86 × 3.86 × 1.50	6.22 × 3.82 × 1.50	7.01 × 3.82 × 1.50
Unit Weight	kg	0.23	0.22	0.24	0.36	0.48
	lb	0.51	0.49	0.53	0.79	1.06
Cooling System		Convection				
MTBF ²⁾		> 700,000 hrs	> 700,000 hrs	> 700,000 hrs	> 700,000 hrs	> 700,000 hrs
ENVIRONMENT						
Operating Temperature ³⁾		-10°C to +70°C				
Storage Temperature		-25°C to +85°C				
Operating Humidity		5 to 95% RH (Non-Condensing)				
Operating Altitude		0 to 5,000 m (0 to 16,400 ft)				

Dimensions Reference



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) Refer power de-rating in the product datasheet.
- 4) All parameters are specified at 25°C ambient temperature unless otherwise indicated.



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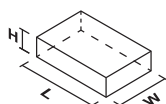
Features

- AC input voltage range selectable by switch
- Full corrosion resistant aluminium casing
- High Efficiency > 87.0% @ 230Vac
- High MTBF > 700,000 hrs per Telcordia SR-332
- Short Circuit / Overvoltage / Overload / Over Temperature Protections
- Versatile configuration options (for 200W):
 - L Frame
 - Enclosed

Specifications

OUTPUT		PMT-24V200W1A□	PMT-24V350W1AG	PMT-24V350W1AM	PMT-24V350W1AK	PMT-24V350W1AR
Output Voltage		24V	24V	24V	24V	24V
Output Voltage Range		21.6-26.4V	20.0-26.4V	20.0-26.4V	20.0-26.4V	20.0-26.4V
Output Current		8.8A	14.6A	14.6A	14.6A	14.6A
Output Power		211.2W	350.4W	350.4W	350.4W	350.4W
PARD (20MHz)		< 150mVpp				
Hold-up Time	115Vac	20ms typ.	16ms typ.	16ms typ.	16ms typ.	16ms typ.
	230Vac	24ms typ.	20ms typ.	20ms typ.	20ms typ.	20ms typ.
INPUT						
Phase Input		Single Phase				
Input Voltage Range		90-132Vac, 180-264Vac (Selectable by Switch)				
Input Frequency		47-63Hz				
Input Current	115Vac	4.5A typ.	7.0A typ.	7.0A typ.	7.0A typ.	7.0A typ.
	230Vac	2.5A typ.	4.0A typ.	4.0A typ.	4.0A typ.	4.0A typ.
Efficiency ¹⁾ at 100% Load	230Vac	88.5% typ.	87.0% typ.	87.0% typ.	87.0% typ.	87.0% typ.
Max Inrush Current (Cold Start)	115Vac	-	50A typ.	50A typ.	50A typ.	50A typ.
	230Vac	55A typ.	60A typ.	60A typ.	60A typ.	60A typ.
Power Factor		NA				
Leakage Current	240Vac	< 0.25mA	< 3.5mA	< 3.5mA	< 3.5mA	< 3.5mA
MECHANICAL						
Case Cover / Chassis		Aluminium				
Dimensions (L × W × H)	mm	215 × 115 × 50	215 × 115 × 50	215 × 115 × 50	215 × 115 × 50	215 × 115 × 50
	inch	8.46 × 4.53 × 1.97	8.46 × 4.53 × 1.97	8.46 × 4.53 × 1.97	8.46 × 4.53 × 1.97	8.46 × 4.53 × 1.97
Unit Weight	kg	0.63	0.82	0.82	0.82	0.82
	lb	1.39	1.81	1.81	1.81	1.81
Cooling System		Convection	Forced Air (Built-in Fan)			
MTBF ²⁾		> 700,000 hrs	> 700,000 hrs	> 700,000 hrs	> 700,000 hrs	> 700,000 hrs
ENVIRONMENT						
Operating Temperature ³⁾		-10°C to +60°C	-10°C to +70°C			
Storage Temperature		-25°C to +85°C				
Operating Humidity		5 to 95% RH (Non-Condensing)				
Operating Altitude		0 to 5,000 m (0 to 16,400 ft)				

Dimensions Reference



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-24V350W1A□ models, MTBF calculations do not include fan life time.
- 3) Refer power de-rating in the product datasheet.
- 4) All parameters are specified at 25°C ambient temperature unless otherwise indicated.



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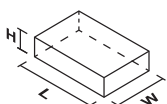
Features

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

Specifications

OUTPUT		PMT-36V350W1A□	PM□-48V150W1A□	PMT-48V350W1A□	PM□-D1V100W1A□	PM□-D2V100W1A□
Output Voltage		36V	48V	48V	V1: 12V, V2: 5V	V1: 24V, V2: 5V
Output Voltage Range		32.4-39.6V	45.6-52.8V	43.2-52.8V	V1: 10.8-13.2V	V1: 21.6-26.4V
Output Current		9.7A	3.3A	7.3A	V1: 7.0A, V2: 3.0A	V1: 3.5A, V2: 3.0A
Output Power		349.2W	158.4W	350W	V1: 84W, V2: 15W	V1: 84W, V2: 15W
PARD (20MHz)		< 240mVpp	< 200mVpp	< 240mVpp	V1: 120mVpp, V2: 80mVpp	V1: 120mVpp, V2: 80mVpp
Hold-up Time	115Vac	16ms typ.	20ms typ.	16ms typ.	20ms typ.	20ms typ.
	230Vac	20ms typ.	24ms typ.	20ms typ.	25ms typ.	25ms typ.
INPUT						
Phase Input		Single Phase				
Input Voltage Range		90-132Vac, 180-264Vac (Selectable by Switch)			88-132Vac, 176-264Vac (Selectable by Switch)	
Input Frequency		47-63Hz				
Input Current	115Vac	7.0A typ.	3.0A typ.	7.0A typ.	2.0A typ.	2.0A typ.
	230Vac	4.0A typ.	2.0A typ.	4.0A typ.	1.2A typ.	1.2A typ.
Efficiency ¹⁾ at 100% Load	230Vac	87.5% typ.	89.0% typ.	87.5% typ.	82.0% typ.	84.0% typ.
Max Inrush Current (Cold Start)	115Vac	40A typ.	-	40A typ.	-	-
	230Vac	60A typ.	45A typ.	60A typ.	45A typ.	45A typ.
Power Factor		NA	Conform to EN 61000-3-2	NA	Conform to EN 61000-3-2	
Leakage Current	240Vac	< 3.5mA	< 0.5mA	< 3.5mA	< 0.25mA	< 0.25mA
MECHANICAL						
Case Cover / Chassis		Aluminium	SGCC / Aluminium	Aluminium	SGCC / Aluminium	
Dimensions (L × W × H)	mm	215 × 115 × 50	178 × 97 × 38	215 × 115 × 50	178 × 97 × 38	178 × 97 × 38
	inch	8.46 × 4.53 × 1.97	7.01 × 3.82 × 1.50	8.46 × 4.53 × 1.97	7.01 × 3.82 × 1.50	7.01 × 3.82 × 1.50
Unit Weight	kg	0.83	0.48	0.83	0.45	0.42
	lb	1.83	1.06	1.83	0.99	0.93
Cooling System		Forced Air (Built-in Fan)	Convection	Forced Air (Built-in Fan)	Convection	
MTBF ²⁾		> 700,000 hrs	> 700,000 hrs	> 700,000 hrs	> 700,000 hrs	> 700,000 hrs
ENVIRONMENT						
Operating Temperature ³⁾		-10°C to +70°C				
Storage Temperature		-25°C to +85°C				
Operating Humidity		5 to 95% RH (Non-Condensing)				
Operating Altitude		0 to 5,000 m (0 to 16,400 ft)				

Dimensions Reference



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-36V350W1A□ and PMT-48V350W1A□ models, MTBF calculations does not include fan life time.
- 3) Refer power de-rating in the product datasheet.
- 4) All parameters are specified at 25°C ambient temperature unless otherwise indicated.