



PMC Panel Mount POWER SUPPLY



PMC-05V035W1AA
PMC-12V035W1AA
PMC-12V050W1AA
PMC-12V100W1AA
PMC-24V035W1AA
PMC-24V050W1AA
PMC-24V075W1AA

* Length differs for some models.
Refer to specifications.

PMC-24V100W1AA

PMC-24V150W1AA

PMC-24V300W1BA

5V, 12V, 24V OUTPUT

PMC-DSPV100W1A

DUAL OUTPUT



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FEATURES													
• Full aluminium casing for light weight and corrosion resistant handling				• Over voltage protection • Overload protection		• Thermal protection • MTBF: > 700,000 hrs.		• Expected life time: 10 years • 2 years warranty		• Universal AC input • RoHS compliant			
PRODUCT SPECIFICATION	5V OUTPUT	12V OUTPUT			24V OUTPUT						DUAL OUTPUT		
MODEL NUMBER	PMC-05V035W1AA	PMC-12V035W1AA	PMC-12V050W1AA	PMC-12V100W1AA	PMC-24V035W1AA	PMC-24V050W1AA	PMC-24V075W1AA	PMC-24V100W1AA	PMC-24V150W1AA	PMC-24V300W1BA	PMC-DSPV100W1A		
REFERENCE NO.	EOE11010299	EOE11010185	EOE11010186	EOE11010187	EOE11010118	EOE11010119	EOE11010208	EOE11010120	EOE12010188	EOE13010225	EOE11010192		
OUTPUT (DC)													
Output voltage	5V	12V			24V						24V / 5V		
Output voltage range	4.75 - 5.5V	11 - 14V			22 - 28V						V1: 24Vdc +/-2% / V2: 5Vdc +/-2%		
Output current	7.0A	3.0A	4.17A	8.33A	1.46A	2.10A	3.13A	4.17A	6.25A	12.5A	V1: 24Vdc / 0.3 - 4.0A (2.7A rated)/ V2: 5Vdc / 0.8 - 7.0A (7A rated)		
Output power	35W	35W	50W	100W	35W	50W	75W	100W	150W	300W	100W		
Residual ripple / peak switching (20MHz)	< 70mVpp @ 25°C, < 150mVpp @ nominal values	< 100mVpp @ +25°C , < 150mVpp @ -10°C						< 100mVpp @ 25°C, < 150mVpp @ -10°C	< 100mVpp @ 25°C & 50°C	< 200mVp-p (24V), < 80mVp-p (5V)			
Mains buffering @ nominal load (typ.)	> 80ms @ 230Vac, > 15ms @ 115Vac, 25°C	> 15ms @ 115Vac, > 80ms @ 230Vac				> 15ms @ 115Vac, > 90ms @ 230Vac			> 15ms @ 115Vac, > 80ms @ 230Vac	> 15ms @ typical range with 300W load	> 15ms @ 115Vac, > 80ms @ 230Vac		
Line regulation	< 0.5% typ. (@ 85-264Vac input, 100% load)										+/- 0.5% typ. (@ 85-264Vac input, rated load)		
Load regulation	< 1% typ. (@ 85-264Vac input, 0 to 100 % load)										< 0.5% typ. (with rated input, 0 to 100 % load)	+/- 1% typ. (@ 85-264Vac input)	
INPUT (AC)													
Input voltage range	85 - 264Vac (DC input range 120 - 375Vdc)												
Input frequency	47 - 63Hz												
Maximum input current	1.0A Max.(0.9A @ 115Vac, 0.5A @ 230Vac)	0.72A max. @ 115Vac, 0.45A max. @ 230Vac	1.1A max. @ 115Vac, 0.7A max. @ 230Vac	2.0A max. @ 115Vac, 1.1A max. @ 230Vac	0.72A max. @ 115Vac, 0.40A max. @ 230Vac	1.1A max. @ 115Vac, 0.7A max. @ 230Vac	1.8A max. (1.5A max. @ 115Vac,1.0A max. @ 230Vac)	2.0A max. @ 115Vac, 1.1A max. @ 230Vac	3.8A max. (3.1A max. @ 115Vac, 2.0A max. @ 230Vac)	5A max. (4A max. @ 115Vac, 2A max. @ 230Vac)	3.2A max. (2A max. @ 115Vac, 1.1A max. @ 230Vac)		
Inrush current limitation I ^{pt} (+25°C) typ.	< 30A @ 115Vac, < 60A @ 230Vac	< 30A @ 115Vac; 60A @ 230Vac	< 30A @ 115Vac; 65A @ 230Vac	< 60A @ 115Vac; < 130A @ 230Vac	< 30A @ 115Vac; 60A @ 230Vac	< 30A @ 115Vac; 60A @ 230Vac	< 40A @ 115Vac; 80A @ 230Vac	< 50A @ 115Vac; 100A @ 230Vac	< 60A @ 115Vac; 120A @ 230Vac	< 35A @ 115Vac, 70A @ 230Vac	< 50A @ 115Vac, < 100A @ 230Vac @ 25°C		
Power factor	NA			Conform to EN61000-3-2 STD. CLASS A LIMITS.			NA		Conform to EN61000-3-2 STD. CLASS A LIMITS.		NA	IEC-61000-3-2	IEC-61000-3-2 Class A
Efficiency	78% @ 115Vac, 79% @ 230Vac	> 84% @ 115Vac & 230Vac	> 83% @ 115Vac; > 84% @ 230Vac	> 84% @ 115Vac; > 86% @ 230Vac	> 85% (typical)		> 86% (typical)			> 86% @ 115Vac, > 87% @ 230Vac	> 84% @ 115Vac, > 86% @ 230Vac (rated load)		
Leakage current	< 1mA @ 240Vac												
MECHANICAL DESIGN													
Case cover	Aluminium (Al1100)												
Dimensions (L x W x H)	98mm x 97mm x 38mm	98mm x 97mm x 38mm	128mm x 97mm x 38mm	158mm x 97mm x 38mm	128mm x 97mm x 38mm			158mm x 97mm x 38mm	178mm x 97mm x 38mm	199mm x 105mm x 41mm	178mm x 97mm x 38mm		
Unit weight / box	0.175kg	0.210kg	0.255kg	0.45kg	0.237kg	0.255kg	0.300kg	0.41kg	0.480kg	0.820kg	0.52kg		
MTBF	> 700,000 hrs												
Noise	Sound pressure level (SPL) < 40dBA												
Cooling	Convection										Fan	Convection	
Input terminal	Terminal block 5 Pin rated 300V/20A			Terminal block 7 Pin rated 300V/20A		Terminal block 5 Pin rated 300V/20A			Terminal block 7 Pin rated 300V/20A		Terminal block 7 Pin (C44M-BS1107)	Terminal block 7 Pin rated 300V/20A	
Output terminal	Terminal block 5 Pin rated 300V/20A			Terminal block 7 Pin rated 300V/20A		Terminal block 5 Pin rated 300V/20A			Terminal block 7 Pin rated 300V/20A		Terminal block 7 Pin (C44M-BS1107)	Terminal block 7 Pin rated 300V/20A	
Input / output wire	AWG 18-14	AWG 22-14								AWG 20-16	AWG 22-14		
Shock proof	IEC600068-2-27												
Vibration	IEC600068-2-6												
Protection structure	IPX0									IP20	IPX0		
SAFETY / ENVIRONMENTAL													
EMC / Emissions	FCC Title 47, Class B/EN55022, CISPR22, CISPR11, Class B										FCC Title 47, Class B/EN55022, CISPR22, Class B	FCC Title 47, Class B/EN55022, CISPR22, CISPR11, Class B	
Immunity	EN61000-4-2, 1995; EN61000-4-3, 1998; EN61000-4-4, 1995; IEC61000-4-5, 1995; EN61000-4-6, 1996; EN61000-4-8, EN61000-3-2, 1994 [Except for PMC-24V150W1AA]								EN61000-4-2, 1995; EN61000-4-3, 1998; EN61000-4-4, 1995; IEC61000-4-5, 1995; EN61000-4-6, 1996; EN61000-4-8	EN61000-4-2, 1995; EN61000-4-3, 1998; EN61000-4-4, 1995; IEC61000-4-5, 1995; EN61000-4-6, 1996; EN61000-4-8 or IEC61000-4-12 or IEEE C62.41	EN61000-4-2, 1995; EN61000-4-3, 1998; EN61000-4-4, 1995; IEC61000-4-5, 1995; EN61000-4-6, 1996; EN61000-4-8, 1996; EN61000-3-2, 1994 [Except for PMC-24V150W1AA]		
Safety standard	UR/cUR recognize to UL60950-1 and CSA C22.2 No. 60950-1; CB test certificate and report to IEC60950-1, EN60950-1, CE SIQ, CCC prepared (EMC and low voltage directive) 	UR/cUR recognize to UL60950-1 and CSA C22.2 No. 60950-1; CB test certificate and report to IEC60950-1, TUV, CCC, CE (EMC and Low Voltage directive) 			UR/cUR recognized to UL60950-1 and CSA C22.2 No.60950-1; CB test certificate and report to IEC60950-1; CCC, CE (EMC and low voltage directive), NEMKO 		UR/cUR recognize to UL60950-1 and CSA C22.2 No. 60950-1; CB test certificate and report to IEC60950-1; CCC, CE (EMC and Low Voltage directive), NEMKO 	UR/cUR recognized to UL60950-1 and CSA C22.2 No.60950-1; CB test certificate and report to IEC60950-1; CCC, CE (EMC and low voltage directive), NEMKO 	UR/cUR recognize to UL60950-1 and CSA C22.2 No. 60950-1; CB test certificate and report to IEC60950-1, TUV, CCC (prepared), CE (EMC and Low Voltage directive) not fulfilled EN61000-3-2 	UR/cUR recognize to UL60950-1 and CSA C22.2 No. 60950-1; CB test certificate and report to IEC60950-1, SIQ, CCC, CE (EMC and Low Voltage directive) 	UR/cUR recognize to UL60950-1 and CSA C22.2 No. 60950-1; CB test certificate and report to IEC60950-1, TUV, CCC, CE (EMC and Low Voltage directive) 		
Voltage dips	Conform to EN61000-4-11												
Galvanic isolation	Input to output: 3KVac Input to ground: 1.5KVac Output to ground: 0.5KVac												
Operating ambient temperature	-10°C ~ +70°C *												
Storage temperature	-25°C ~ +85°C												
Operating humidity	< 95% RH								< 95% RH non-condensing		< 95% RH		
Note	Operating to 70°C possible with a linear derating to half power from 50°C to 70°C												

