

# PMC Panel Mount Power Supply

## 24V Output



# PMC

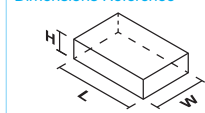
## HIGHLIGHTS & FEATURES

- Universal AC input voltage range
- Power will not de-rate for the entire input voltage range
- Full corrosion resistant aluminium casing
- 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 55032, 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	0-1.46A	0-2.1A	0-3.12A	0-4.17A	0-6.25A
Output Power	35W	50W	75W	100W	150W
Line Regulation	< 0.5% typ. (@ 85-264Vac input, 100% load)				
Load Regulation	< 1.0% 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
<b>INPUT</b>					
Phase Input	Single Phase				
Input Voltage Range	85-264Vac (DC input range 125-375Vdc) <sup>1)</sup>				
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 <sup>2)</sup> 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				
<b>MECHANICAL</b>					
Case Cover / Chassis	Aluminium				
Dimensions (L x W x H)	128 x 97 x 38 mm (5.04" x 3.82" x 1.50")	128 x 97 x 38 mm (5.04" x 3.82" x 1.50")	128 x 97 x 38 mm (5.04" x 3.82" x 1.50")	158 x 97 x 38 mm (6.22" x 3.82" x 1.50")	178 x 97 x 38 mm (7.01" x 3.82" x 1.50")
Unit Weight	0.24 kg (0.53 lb)	0.26 kg (0.57 lb)	0.30 kg (0.66 lb)	0.41 kg (0.90 lb)	0.48 kg (1.06 lb)
Cooling System	Convection				
MTBF <sup>3)</sup>	> 700,000 hrs	> 700,000 hrs	> 700,000 hrs	> 700,000 hrs	> 700,000 hrs
<b>ENVIRONMENT</b>					
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 3,000 m (0 to 9,840 ft)				0 to 5,000 m (0 to 16,400 ft)

### Dimensions Reference



### 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.