

PMU Panel Mount Power Supply

13.8V, 27.6V Output

PMU



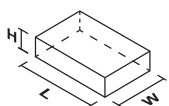
HIGHLIGHTS & FEATURES

- AC input voltage range selectable by switch
- LED indicators for DC OK (Green) and Battery Reverse Polarity Connection (Red)
- Zero switch over time from loss of AC to battery operation
- Conforms to harmonic current IEC/EN 61000-3-2, Class A
- High MTBF > 700,000 hrs. per Telcordia SR-332
- Monitoring signals for AC OK, DC OK and Battery Low indication
- Overvoltage / Overcurrent / Over Temperature / Short Circuit Protections

GENERAL SPECIFICATIONS

OUTPUT	PMU-13V155W□BA	PMU-13V155W□CA	PMU-27V155W□BA	PMU-27V155W□CA
Output Voltage	V1: 13.8V, B+: 13.3V	V1: 13.8V, B+: 13.3V	V1: 27.6V, B+: 27.1V	V1: 27.6V, B+: 27.1V
Output Voltage Range	12-14V	12-14V	24-28V	24-28V
Output Current	V1: 9.5A (0-11.0A) B+: 1.5A (0.5-1.5A)	V1: 9.5A (0-11.0A) B+: 1.5A (0.5-1.5A)	PMU-27V155WCBA V1: 4.0A (0-5.5A) B+: 1.5A (0.5-1.5A) PMU-27V155WLBA V1: 4.3A (0-5.5A) B+: 1.2A (0.50-1.2A)	PMU-27V155WCCA V1: 4.0A (0-5.5A) B+: 1.5A (0.5-1.5A) PMU-27V155WLCA V1: 4.3A (0-5.5A) B+: 1.2A (0.50-1.2A)
Output Power	151W	151W	151W	151W
Line Regulation	< 0.5% (90-132Vac @ 90% load, 180-264Vac @ 100% load)			
Load Regulation	< 1.0% (90-132Vac @ 0-90% load, 180-264Vac @ 0-100% load)			
PARD (20MHz)	< 150mVpp @ 0°C to -20°C, < 100mVpp @ > 0°C to 70°C			
Hold-up Time	20ms without Battery at B+			
INPUT				
Phase Input	Single Phase			
Input Voltage Range	90-132Vac, 180-264Vac (Selectable by Switch)			
Input Frequency	47-63Hz			
Input Current	< 2.5A @ 115Vac, < 1.5A @ 230Vac			
Efficiency ¹⁾ at 100% Load	> 85.0% @ 115Vac, > 86.0% @ 230Vac		> 88.0% @ 115Vac, > 89.0% @ 230vac	
Max Inrush Current (Cold Start)	< 25A @ 115Vac & 230Vac			
Power Factor	Conform to EN 61000-3-2			
Leakage Current	< 0.5mA @ 264Vac			
MECHANICAL				
Case Cover / Chassis	SGCC / Aluminium			
Dimensions (L x W x H)	178 x 97 x 38 mm (7.01" x 3.82" x 1.50")	178 x 97 x 38 mm (7.01" x 3.82" x 1.50")	178 x 97 x 38 mm (7.01" x 3.82" x 1.50")	178 x 97 x 38 mm (7.01" x 3.82" x 1.50")
Unit Weight	0.59 kg (1.30 lb)	0.60 kg (1.32 lb)	0.59 kg (1.30 lb)	0.60 kg (1.32 lb)
Cooling System	Convection			
MTBF ²⁾	> 700,000 hrs	> 700,000 hrs	> 700,000 hrs	> 700,000 hrs
ENVIRONMENT				
Operating Temperature	-20°C to +70°C			
Storage Temperature	-40°C to +85°C			
Power De-rating	90-132Vac: < 0°C to -20°C (2.25% / °C), > 50°C (2.25% / °C) 180-264Vac: < 0°C to -20°C (2.5% / °C), > 50°C (2.5% / °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: 115Vac, O/P: 100% load) for vertical mounting orientation.
- 3) All parameters are specified at 25°C ambient temperature unless otherwise indicated.