

900W Dual Output Open Frame Module

EMA900D-A

This specification defines the performance characteristics and functions of a 900 watts Open Frame Module with isolated dual outputs: 12Vdc/8.3A; -54Vdc/14.8A. This PSU is suitable for PoE Switch & Network applications.



FEATURES

- Efficiency (Typ.): 93% at 230Vac full load
- Active Power Factor $PF \geq 0.98$
- Power Good Signal
- OVP/OCP/SCP/OTP ready
- ZVS technology to reduce power dissipation
- MTBF > 200,000 hours at 25°C typical load
- Operation Altitude: 5000 meters
- Surge Protection: 4KV(L/N-PE) and 3KV(L-N)
- Can withstand 300Vac Input Voltage for 1 minute
- PoE Isolation
- Meet IEC62368-1

INPUT SPECIFICATIONS

- Input Voltage: 90-264Vac
- Operation Voltage: 100-240Vac
- Input Frequency: 47-63Hz
- Input Current: 12A @100~240Vac
- Inrush Current: 60A peak @115/230Vac. Cold start at full load

OUTPUT RATING

Input Voltage	Output	Min. Current	Max. Current	Ripple Noise	Power Output
100-240Vac	+12V	0A	8.3A	120mV	900W
	-54V	0A	14.8A	Note 2	

Note 1: Ripple noise is measured at 20MHz of bandwidth. The measured terminal is paralleled with a 47uF low ESR E-cap and a 0.1uF Ceramic cap.

Note 2: <500Hz Vp-p=500mV; 500 Hz to 150 kHz Vp-p=200mV; 150 kHz to 500 kHz Vp-p=150mV; 500 kHz to 1MHz Vp-p=100mV

GENERAL SPECIFICATIONS

- Hold-up time: $\geq 10\text{ms}$ at 80% load
- MTBF: 200Khrs min SR332(25°C) at full load
- Dimension (L x W x H):
190.5 x 101.6 x 38.6mm
- Operating altitude: 16,404 ft (5000M)
- Working temperature: -10°C to 50°C
- Storage temperature: -40°C to 80°C
- Working humidity: 5% to 90% RH non-condensing
- Storage humidity: 5% to 95% RH non-condensing
- Forced air cooling (Min.): 21.8CFM.
(PSD1204PQBX-A*2) at Max. load

MECHANICAL SPECIFICATIONS

Unit: mm

190.5(L) x 101.6(W) x 38.6 (H)

