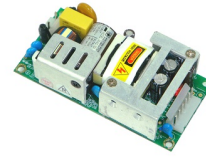


DESCRIPTION

This series of compact, open PCB constructed, AC-DC switching power supplies are capable of delivering 30-48 watts of continuous output power at convection cooling. They operate at 90-264 VAC input voltage without the need of voltage ion, and are suited for medical, information technology and industrial applications. Approval to both EN60601-1 and EN60950-1 Safety Standards improves design-in time and reduces end equipment compliance costs.



FEATURES

- Medical and ITE approvals
- Compact size 2" x 4" x 1.18" Single, dual and triple outputs
- Wide-range input 90-264 VAC
- Low earth leakage current Level B emissions
- RoHS compliant

WATTAGE

Wattage: 40W

DIMENSION

Dimension: 101.6mm(L) x 50.8mm(W) x 30.0mm(H)

INPUT SPECIFICATION

Input Range: 90-264 Vdc
Input Frequency: 47-63 Hz
Input Current: 0.9A(rms) for 100VAC, 0.5A(rms) for 240VAC
Leakage Current: 150 µA max. @ 264 VAC, 63 Hz

SAFETY STANDARD APPROVAL



OUTPUT SPECIFICATION

Ripple & Noise: Maximum excursion of 4% or better on all models, recovering to 1% of final value within 500 us after a 25% step load change
Over Current Protection: All outputs protected to short circuit conditions.

GENERAL SPECIFICATION

Efficiency: 80~88% typical except PM42-31-3A and PM42-31-5A at 75% typical
Inrush Current: 25A @ 115 VAC, or 50A @ 230 VAC, at 25°C cold start

ENVIRONMENTAL SPECIFICATION

TEMP.Range: Operating Temperature: -10°C to +70°C
 Storage Temperature: -40°C to +85°C
MTBF: 400,000 hours at full load at 25°C ambient, calculated per MIL-HDBK-217F

*Output Voltage and Current Rating

	+5V	+15V	-15V
Ripple-Noise(R-P) mV	100mV	150mV	150mV
Regulation Load %	±3%	±5%	±4%
Output Max.(A)	6A	1.5A	0.3A
Output Min.(A)	0.5A	0.1A	0A

NOTES

- Safety approvals are for PCB form only. To order unit with cover fitted, change suffix "A" to "C".
- The output voltages of a multiple output model may go outside of the stated tolerance when an output load current is out of stated limits. All models may be operated at no-load without damage.
- Ripple and noise is maximum peak to peak voltage value measured at output within 20 MHz bandwidth, at rated line voltage and output load ranges, and with a 10 µF tantalum capacitor in parallel with a 0.1 µF ceramic capacitor across the output.

This content is subject to change, please refer to specification for more detail.
 FSP reserve the right to change the content without prior notice