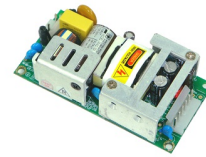


## DESCRIPTION

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%  
**Inrush Current:** 25A @ 115VAC, or 50A @ 230 VAC, at 25°C cold strat

## 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

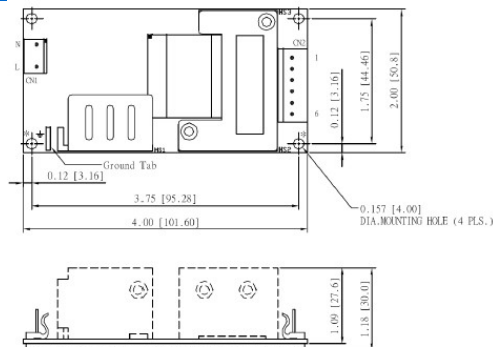
### \*Output Voltage and Current Rating

	+5V	+12V1
<b>Ripple-Noise(R-P) mV</b>	100mV	120mV
<b>Regulation Load %</b>	±3%	±5%
<b>Output Max.(A)</b>	6A	2A
<b>Output Min.(A)</b>	0.5A	0.1A

## 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.

## MECHANICAL SPECIFICATION



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