Medical PSU
FSP180-AHAM1

DESCRIPTION

This series of AC/DC switching power supplies are for 180 watts of continuous output power. They are enclosed in a 94V-1 rated polyphenylene-oxide case with an inlet of the IEC320/C14 or IEC320/C8 to mate with interchangeable cord for world-wide use. All models meet EN 55011 and FCC class B emission limits, and are designed for medical applications not for life-supporting equipment.



FEATURES

- High efficiency
- Low ripple & noise
- Over voltage protection
- Short-circuit protection
- Overpower protection
- Over temperature protection
- 100% burn-in at full rated load
- Standby consumption less than 0.5 W
- Compliant with CEC and ENERGY STAR efficiency level V requirements
- Compliant with RoHS requirements

SAFETY STANDARD APPAOVAL

WATTAGE

Wattage:	180W

DIMENSION

Dimension:	197.0mm(L) x 88.0mm(W) x 44.0mm(H)

INPUT SPECIFICATION

Input Range:	90-264 Vdc
Input Frequency:	50-60 Hz
Input Current:	2.4A(rms) for115VAC, 1.2A(rms) for230VAC
Leakage Current:	200 μA max. @ 264 VAC,63 Hz

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 models protected to short-circuit conditions

ENVIRONMENTAL SPECIFICATION

TEMP.Range:	Operating Temperature:0°C to +40°C Storage Temperature: -20°C to + 80℃

OUTPUT ELECTRICAL

Single Output:	12 V/ 15 A

NOTES

1. Class I models are equipped with IEC320/C14 inlet, and class II models with IEC320/C8 inlet.
2. 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 47 μF electrolytic 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