Medical PSU
FSP135-KEAM1

DESCRIPTION

This series of AC/DC switching power supplies are for 120-135 watts of continuous output power. They are enclosed in a 94V-1 rated polyphenylene-oxide case with an IEC320/C14 or IEC320/C18 inlet to mate with interchangeable cord for world-wide use. All models meet EN55011, EN55022 and FCC class B emission limits, and are designed for medical and ITE applications, not for life-supporting equipment.

FEATURES

- Low safety ground leakage current
- Class I models are to be certified to medical and ITE safety standards, Class I I models to medical standards only.
- Wide input range 90 to 264 VAC
- Power factor corrected 200% peak power capability on models below 26 Vdc output
- Optional output connectors
- Over voltage protection
- Over current protection
- Compliant with CEC and Energy Star Efficiency level V requirements

* No load power consumption less than 0.5 W
* Average active efficiency greater than 87%

- Compliant with RoHS requirements

SAFETY STANDARD APPAOVAL

WATTAGE

Wattage:	135W

DIMENSION

Dimension:	146.2mm(L) x 75.2mm(W) x 39.0mm(H)

INPUT SPECIFICATION

Input Range:	90-264 Vdc
Input Frequency:	47-63 Hz
Input Current:	1.6A(rms) for115VAC, 0.8A(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:	Protected to short circuit conditions

ENVIRONMENTAL SPECIFICATION

TEMP.Range:	Operating Temperature:0°C to +60°C Storage Temperature: -40°C to + 85℃

OUTPUT ELECTRICAL

Single Output:	36-38 V/ 3.75 A

NOTES

1. Class I models are equipped with IEC320/C14 inlet, and class II models with IEC320/C18 inlet.
2. For 10 seconds maximum, average power not to exceed maximum power rating.
3. 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