

HiTRON

AC/DC MEDICAL APPLICATION EXTERNAL ADAPTER UNIVERSAL INPUT SINGLE OUTPUT 70 WATTS GREEN POWER SWITCHING POWER SUPPLIES HEMG75 SERIES



FEATURES:

- ACCOMMODATE UNIVERSAL AC SOURCES
- DESKTOP IEC320-3P AC RECEPTACLE
- MEET MEDICAL STANDARDS EN60601-1/ UL2601-1
- GREEN POWER DESIGN
- EMI MEET EN 55011/ FCC CLASS B
- CE MARKING COMPLIANCE

SPECIFICATION

INPUT SPECIFICATION

Input Voltage: Typ. 90-264Vac.
Input Connector: IEC320-3P DT7 AC input receptacle.
Input Frequency: 47-63Hz.
Inrush Current: Typ. 57.6A @ 230Vac.
Input Current: Typ. 1.2A @ 115Vac, 0.59A @ 230Vac.
Dielectric Withstand: Meet IEC60601-1.
EMI: Meet EN55011 / FCC Class B.
Hold-up Time: Typ. 15.7mS @ 115Vac, 82.6mS @ 230Vac.
Over Temp. Protection: Available.
Green Power: >0.5W @ 230Vac.
Earth Leakage: Less than 100uA.

OUTPUT SPECIFICATION

Output Voltage: See Ratings Chart.
Output Current: See Ratings Chart.
Output Wattage: Typ. 70 W.
Output Connector & Cord: Optional.
Line Regulation: Typ. 1%.
Load Regulation: Typ. $\pm 3\%$.
Noise & Ripple: Typ. 1% peak to peak.
OVP: Built-in by latch circuit.
Adjustability: Factory set.
Over Current Protection (OCP):
Fully protected against output overload and short circuit.
OLP set at about 125-150% rating output wattage.
Consult the factory for OLP setting.

GENERAL SPECIFICATION

Efficiency: Typ. 84-85%.
Switching Frequency: Typ. 60KHz.
Circuit Topology: Fixed Frequency flyback circuit.
Transient Response: Output voltage returns in less than 1mS following a 25% load change..
Safety Standard: Medical standards IEC60601-1/ EN60601-1/ UL2601-1, Class I for DT7.
Power Density: 4.38Watts. / Cubic Inch.
Operating Temperature: 0 to +25/35/40°C without derating. (various with output voltage)
Storage Temperature: -20 to +85 °C.
Temperature Coefficient: 0.04 °C
Cooling: Free air convection.
Construction: Impact resistant thermo-plastic enclosure case.
Desktop Format.

NOTE: (1) All measurements are at nominal input, full load, and +25°C unless otherwise specified.

(2) Load regulation is measured at 115Vac or 230Vac in percentage to indicate the change in output voltage as the load varied from half load to full load ($\pm\%$).

(3) The exact obtainable load regulation depends upon the output cord selected and load current. Upper data are for 6 ft. (2 m) cord AWG#18 wires.

(4) Due to requests in market and advances in technology, specifications subject to change without notice.



For the details of safety approval, please consult the factory.

OUTPUT VOLTAGE/CURRENT RATINGS CHART

SINGLE OUTPUT

MODEL NO.	AC PLUG	O/P VOLTAGE	O/P CURRENT
HEMG75-120550-7	DT7	12.0Vdc	5.5A
HEMG75-150470-7	DT7	15.0Vdc	4.7A
HEMG75-180400-7	DT7	18.0Vdc	4.0A
HEMG75-240300-7	DT7	24.0Vdc	3.0A
HEMG75-300240-7	DT7	30.0Vdc	2.4A
HEMG75-480150-7	DT7	48.0Vdc	1.5A

MECHANICAL DIMENSIONS: MM [INCHES]

WEIGHT: 373.0g (13.2 Oz.)

