H HiTRON

UNIVERSAL INPUT AC-DC MEDICAL & ITE APPLICATION EXTERNAL DESKTOP SWITCHING ADAPTER 10-12 WATTS GREEN POWER SINGLE OUTPUT HEMG10 SERIES



FEATURES:

- **ACCOMMODATE UNIVERSAL AC INPUT**
- **MEET MEDICAL STANDARDS IEC60601-1 & ITE STANDARDS IEC60950-1**
- **NO LOAD POWER CONSUMPTION <0.3 W**
- **EMI MEET EN55011 & EN55022 / FCC CLASS B**
- **CE MARKING COMPLIANCE**

SPECIFICATION

INPUT SPECIFICATION

Input Voltage: Typical 90-264Vac.
Input Connector: 3 pole AC inlet IEC320-C14(DT7) / 2 pole AC inlet IEC320-C8(DT8).
Input Frequency: 47-63Hz.
Inrush Current: 5.3Arms at 230Vac.
Input Current: Typical 0.2A at 115Vac / 0.11A at 230Vac
Dielectric Withstand: Meet IEC60950-1 and IEC60601-1.
EMI: Meet EN55011 and EN55022 / FCC Class B.
Hold-up Time: Typical 14.4mS at115Vac/ 79mS at 230Vac.
Leakage Current: Typical 0.3mA for Class I.
Typical 0.1mA for Class II.
No Load Power: Less than 0.3W at 230Vac.

OUTPUT SPECIFICATION

Output Voltage: See Ratings Chart.
Output Current: See Ratings Chart.
Output Wattage: Typical 10-12 Watts.
Output Connector: Optional.
Line Regulation: Typical 0.1%.
Load Regulation: Typical ±2%.
Noise & Ripple: 1.0% typical peak to peak.
OVP: Built-in, Auto-Recovery.
Adjustability: Factory set.
Overload Protection (OLP):
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: Typical 75-86% (various with the output voltage)
Switching Frequency: 60K Hz.
Circuit Topology: Fixed Frequency Flyback circuit.
Transient Response: Output voltage returns in less than 1mS following a 25% load change.
Safety Standard: Meet Medical standards UL60601-1/ EN60601-1, and ITE UL60950-1/EN60950-1 Class I for DT7(C14) or Class II for DT8(C8)

Operating Temperature: 0 to +40°C.
Storage Temperature: -20°C to +85°C.
Cooling: Free air convection.
Construction: Impact resistant thermo- plastic enclosure case.
Power Density: 0.8-0.96Watts / Cubic inch.

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 is varied from half load to full load (±%).
(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.

In application.

OUTPUT VOLTAGE / CURRENT RATINGS CHART

SINGLE OUTPUT

MODEL NO.	AC INLET	O/P VOLTAGE	O/P CURRENT
HEMG10-S050200-7	IEC320-C14(DT7)	**5.0Vdc**	2.0A
HEMG10-S050200-8	IEC320-C8(DT8)	**5.0Vdc**	2.0A
HEMG10-S090100-7	IEC320-C14(DT7)	**9.0Vdc**	1.0A
HEMG10-S090100-8	IEC320-C8(DT8)	**9.0Vdc**	1.0A
HEMG10-S120100-7	IEC320-C14(DT7)	**12.0Vdc**	1.0A
HEMG10-S120100-8	IEC320-C8(DT8)	**12.0Vdc**	1.0A
HEMG10-S150080-7	IEC320-C14(DT7)	**15.0Vdc**	0.8A
HEMG10-S150080-8	IEC320-C8(DT8)	**15.0Vdc**	0.8A
HEMG10-S240050-7	IEC320-C14(DT7)	**24.0Vdc**	0.5A
HEMG10-S240050-8	IEC320-C8(DT8)	**24.0Vdc**	0.5A

MECHANICAL DIMENSIONS: MM [INCHES] **WEIGHT:**232.0g (8.18Oz.)

