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.)

