Hitron

UNIVERSAL INPUT AC-DC MEDICAL & ITE APPLICATION EXTERNAL DESKTOP SWITCHING ADAPTER 20-24 WATTS GREEN POWER SINGLE OUTPUT HEMG24 SERIES



FEATURES:

- ACCOMMODATE UNIVERSAL AC INPUT
- MEET MEDICAL STANDARDS IEC60601-1
 & ITE STANDARDS IEC60950-1
- EMI MEET EN 55011 & EN55022 / FCC CLASS B
- MEET ENERGY STAR LEVEL V & CEC LEVEL IV

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: 6.274Arms at 230Vac. **Input Current:** Typical 0.347A at 115Vac/

0.215A at 230Vac.

Dielectric Withstand: Meet IEC60601-1 & IEC60950-1.

EMI: Meet EN55011 & EN55022 / FCC Class B.

Hold-up Time: Typical 16.8mS at 115Vac.

Typical 86.4mS at 230Vac.

Leakage Current: Typical 0.25 mA for Class I

Typical 0.1mA for Class II.

No Load Power: Less than 0.3W.

OUTPUT SPECIFICATION

Output Voltage: See Ratings Chart.
Output Current: See Ratings Chart.
Output Wattage: Typical 20-24Watts.
Output Connector & Cord: Optional.

Line Regulation: Typical 0.1%.

Load Regulation: Typical ±1.8%-±3%. Noise & Ripple: 1.0% peak to peak. OVP: Built-in by Auto-recovery. Adjustability: Factory set.

Over Current Protection (OCP): Installed.

Current limiting can be set precisely as per request.

GENERAL SPECIFICATION

Efficiency: Typical 78%-88% (various with the output

voltage)

Switching Frequency: Typical 55K Hz.

Circuit Topology: Fixed Frequency Flyback circuit. **Transient Response:** Output voltage returns in less than

3mS 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°C to +40°C. **Storage Temperature:** -20 to +85°C.

Cooling: Free air convection.

Construction: Impact resistant thermo-plastic

enclosure case.

Power Density: 1.6-19.1Watts / Cubic inch.

Desktop Format.

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

- (2) Load regulation is measured at 115 Vac or 230 Vac in percentage to indicate the change in output voltage as the load varied from half load to full load (±%).
- (3) The exact obtainable load regulation depends upon the output cord selected and load current.
- (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 INLET	O/P VOLTAGE	O/P CURRENT
HEMG24-S050400-7	IEC320-C14(DT7)	5.0Vdc	4.0A
HEMG24-S050400-8	IEC320-C8(DT8)	5.0Vdc	4.0A
HEMG24-S075300-7	IEC320-C14(DT7)	7.5Vdc	3.0A
HEMG24-S075300-8	IEC320-C8(DT8)	7.5Vdc	3.0A
HEMG24-S120200-7	IEC320-C14(DT7)	12.0Vdc	2.0A
HEMG24-S120200-8	IEC320-C8(DT8)	12.0Vdc	2.0A
HEMG24-S150160-7	IEC320-C14(DT7)	15.0Vdc	1.6A
HEMG24-S150160-8	IEC320-C8(DT8)	15.0Vdc	1.6A
HEMG24-S240100-7	IEC320-C14(DT7)	24.0Vdc	1.0A
HEMG24-S240100-8	IEC320-C8(DT8)	24.0Vdc	1.0A

MECHANICAL DIMENSIONS: MM [INCHES] WEIGHT: 241.0g (8.5 Oz.)

