H 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 115Vac or 230Vac 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.

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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.)