

• **HiTRON**

AC/DC EXTERNAL DESKTOP ADAPTER UNIVERSAL INPUT SINGLE OUTPUT 42 WATTS GREEN POWER SWITCHING POWER SUPPLIES HEG42 SERIES



FEATURES:

- ACCOMMODATE UNIVERSAL AC INPUT
- DESKTOP IEC320-3P /3PL/2P AC RECEPTACLE
- GREEN POWER
- MEET UNIVERSAL SAFETY STANDARDS
- EMI MEET EN55022 / FCC CLASS B
- CE MARKING COMPLIANCE

SPECIFICATION

INPUT SPECIFICATION

Input Voltage: 90-264Vac typical.
Input Connector: IEC320-3P DT7 or DT7L or 2P DT8 AC inlet receptacle.
Input Frequency: 47-63Hz.
Inrush Current: 8.0Arms @230Vac typical.
Input Current: 0.63A @115Vac & 0.35A @230Vac typical.
Dielectric Withstand: Meet IEC60950-1.
EMI: Meet EN55022 / FCC Class B.
Hold-up Time: 15.6mS @115Vac typical.
89.6mS @230Vac typical.
Green Power: 0.157W@131Vac & 0.256W @ 264Vac
Earth Leakage: Less than 0.17mA for class II or
Less than 0.4mA for class I

OUTPUT SPECIFICATION

Output Voltage: See Ratings Chart.
Output Current: See Ratings Chart.
Output Wattage: 42 Watt typical.
Output Connector & Cord: Optional.
Line Regulation: 0.5% typical.
Load Regulation: $\pm 3.0\%$ typical.
Tolerance: $\pm 5\%$.
Noise & Ripple: 1.0% typical peak to peak.
OVP: Built-in, Latch.
Overload Protection:
Fully protected against output overload or short circuit.
Typical set at 105-140% at 115Vac.
Consult the factory for special OLP setting.

GENERAL SPECIFICATION

Efficiency: 87-88% typical.
Switching Frequency: Approximate 59-63KHz.
Circuit Topology: Fixed Frequency flyback circuit.
Transient Response: Output voltage returns in less than 1mS following a 25% load change.
Safety Standard: Meet UL60950-1/EN60950-1 Class I or II.
Power Density: Typ. 3.3Watts / 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 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 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
HEG42-120400-7	DT7	12.0Vdc	4.00A
HEG42-120400-8	DT8	12.0Vdc	4.00A
HEG42-150280-7	DT7	15.0Vdc	2.80A
HEG42-150280-8	DT8	15.0Vdc	2.80A
HEG42-190220-7	DT7	19.0Vdc	2.20A
HEG42-190220-8	DT8	19.0Vdc	2.20A
HEG42-240100-7L	DT7L	24.0Vdc	1.00A
HEG42-240150-7L	DT7L	24.0Vdc	1.50A
HEG42-240200-7L	DT7L	24.0Vdc	2.00A
HEG42-240200-7	DT7	24.0Vdc	2.00A
HEG42-240200-8	DT8	24.0Vdc	2.00A

MECHANICAL DIMENSIONS: MM [INCHES]

WEIGHT: 320g(11.30Oz)

