HiTRON

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

FEATURES:

- **ACCOMMODATE UNIVERSAL AC INPUT**
- **DESKTOP IEC320-C14/C6/C8 AC INLET**
- **NO LOAD POWER CONSUMPTION < 0.3W**
- **MEET UNIVERSAL SAFETY STANDARDS**
- **EMI MEET EN55022 / FCC CLASS B**
- **CE MARKING COMPLIANCE**

SPECIFICATION

INPUT SPECIFICATION

Input Voltage: Typical 90-264Vac.
Input Connector: 3 pole AC inlet IEC320-C14(DT7) /
3 pole AC inlet IEC320-C6(DT7L) /
2 pole AC inlet IEC320-C8(DT8).
Input Frequency: 47-63Hz.
Inrush Current: Typical 8.0Arms at 230Vac.
Input Current: Typical 0.63A at 115Vac, 0.35A at 230Vac.
Dielectric Withstand: Meet IEC60950-1.
EMI: Meet EN55022 / FCC Class B.
Hold-up Time: Typical 15.6mS at 115Vac,
Typical 89.6mS at 230Vac.
Leakage Current: Less than 0.17mA for class II,
Less than 0.4mA for class I.
No Load Power: Typical 0.16W at 132Vac,
Typical 0.26W at 264Vac.

OUTPUT SPECIFICATION

Output Voltage: See Ratings Chart.
Output Current: See Ratings Chart.
Output Wattage: Typical 42-48 Watts.
Output Connector & Cord: Optional.
Line Regulation: Typical 0.5%.
Load Regulation: Typical ±3.0%.
Tolerance: Typical ±5%.
Noise & Ripple: Typical 1.0% 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: Typical 87-88%. (various with output voltage)
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.

Operating Temperature: 0 to +40°C.
Storage Temperature: -20 to +85°C.
Cooling: Free air convection.
Construction: Impact resistant thermo-plastic case.
Power Density: Typ. 3.3-3.8Watts / 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 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. for example)*

MODEL NO.	AC INLET	O/P VOLTAGE	O/P CURRENT
HEG42-120300-7	IEC320-C14(DT7)	**12.0Vdc**	3.00A
HEG42-120400-7	IEC320-C14(DT7)	**12.0Vdc**	4.00A
HEG42-120400-7L	IEC320-C6(DT7L)	**12.0Vdc**	4.00A
HEG42-120400-8	IEC320-C8(DT8)	**12.0Vdc**	4.00A
HEG42-150280-7	IEC320-C14(DT7)	**15.0Vdc**	2.80A
HEG42-150280-7L	IEC320-C6(DT7L)	**15.0Vdc**	2.80A
HEG42-150280-8	IEC320-C8(DT8)	**15.0Vdc**	2.80A
HEG42-190220-7	IEC320-C14(DT7)	**19.0Vdc**	2.20A
HEG42-190220-7L	IEC320-C6(DT7L)	**19.0Vdc**	2.20A
HEG42-190220-8	IEC320-C8(DT8)	**19.0Vdc**	2.20A
HEG42-240100-7L	IEC320-C6(DT7L)	**24.0Vdc**	1.00A
HEG42-240150-7L	IEC320-C6(DT7L)	**24.0Vdc**	1.50A
HEG42-240200-7L	IEC320-C6(DT7L)	**24.0Vdc**	2.00A
HEG42-240200-7	IEC320-C14(DT7)	**24.0Vdc**	2.00A
HEG42-240200-8	IEC320-C8(DT8)	**24.0Vdc**	2.00A

MECHANICAL DIMENSIONS: MM [INCHES] **WEIGHT:** 320g(11.30Oz)