

## AC/DC EXTERNAL ADAPTER UNIVERSAL INPUT SINGLE OUTPUT 27-30 WATTS GREEN POWER SWITCHING POWER SUPPLIES HEG31 SERIES



### FEATURES:

- ACCOMMODATE UNIVERSAL AC SOURCES
- DIVERSE AC PLUG AVAILABLE
- MEET UNIVERSAL SAFETY STANDARDS
- GREEN POWER & MEET CEC Table U-2(2008)
- EMI MEET CISPR EN 55022/ FCC CLASS B
- CE MARKING COMPLIANCE

### SPECIFICATION

#### INPUT SPECIFICATION

**Input Voltage:** Typ. 90-264Vac.  
**Input Connector:** Changeable AC plug for WM1/3/5/6.  
**Input Frequency:** 47-63Hz.  
**Inrush Current:** Typ. 6.98Arms @ 230Vac.  
**Input Current:** Typ. 0.476A @ 115Vac, 0.254A @ 230Vac.  
**Dielectric Withstand:** Meet IEC60950-1.  
**EMI:** Meet CISPR EN55022 / FCC Class B.  
**Hold-up Time:** Typ. 15.6mS @ 115Vac, 96mS @ 230Vac.  
**Green Power:** 0.3W@ 230Vac  
**Earth Leakage:** 0.2mA.

#### OUTPUT SPECIFICATION

**Output Voltage:** See Ratings Chart.  
**Output Current:** See Ratings Chart.  
**Output Wattage:** Typ. 27-30 W.  
**Output Connector:** Optional.  
**Line Regulation:** Typ. 0.2%.  
**Load Regulation:** Typ. +/-5.0%.  
**Noise & Ripple:** Typ. 2% peak to peak.  
**OVP:** Built-in by latch circuit.  
**Adjustability:** Factory set.  
**Over Current Protection (OCP):**  
 Fully protected against output overload and short circuit.  
 Consult the factory for OCP setting.

### GENERAL SPECIFICATION

**Efficiency:** Typ. 86-89%.(various with output voltage)  
**Switching Frequency:** Typ. 50KHz.  
**Circuit Topology:** Fixed Frequency flyback circuit.  
**Transient Response:** Peak deviation is about 3%.  
**Safety Standard:** Meet EN60950-1/ UL60950-1,  
 WM1/3/6 is for Class II, WM5 is for Class II.  
**Power Density:** 2.88-3.22Watts. / Cubic Inch.

**Operating Temperature:** 0 to +25/+35/+40 °C  
 without derating.(various with output voltage)  
**Storage Temperature:** -20 to +85 °C.  
**Temperature Coefficient:** 0.01%/°C  
**Cooling:** Free air convection.  
**Construction:** Impact resistant thermo-plastic enclosure 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 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.

## OUTPUT VOLTAGE / CURRENT RATINGS CHART

### SINGLE OUTPUT *(Model no. for example)*

MODEL NO.	AC PLUG	O/P VOLTAGE	O/P CURRENT
HEG31-075200-1	WM1	7.5Vdc	2.00A
HEG31-075200-3	WM3	7.5Vdc	2.00A
HEG31-120230-1	WM1	12.0Vdc	2.30A
HEG31-120230-3	WM3	12.0Vdc	2.30A
HEG31-120230-5	WM5	12.0Vdc	2.30A
HEG31-120230-6	WM6	12.0Vdc	2.30A
HEG31-240125-1	WM1	24.0Vdc	1.25A
HEG31-240125-3	WM3	24.0Vdc	1.25A
HEG31-240125-5	WM5	24.0Vdc	1.25A
HEG31-240125-6	WM6	24.0Vdc	1.25A
HEG31-300100-1	WM1	30.0Vdc	1.00A
HEG31-300100-3	WM3	30.0Vdc	1.00A
HEG31-300100-5	WM5	30.0Vdc	1.00A
HEG31-300100-6	WM6	30.0Vdc	1.00A

**MECHANICAL DIMENSIONS: MM [INCHES]**

**WEIGHT: 195.0g (6.84 Oz.)**

