

# HiTRON

## UNIVERSAL INPUT AC-DC EXTERNAL WALL-MOUNTED & DESKTOP SWITCHING ADAPTER 12 WATTS GREEN POWER SINGLE OUTPUT HEG12 SERIES



### FEATURES:

- ACCOMMODATE UNIVERSAL AC INPUT
- DIVERSE AC PLUG AVAILABLE
- MEET UNIVERSAL SAFETY STANDARDS
- NO LOAD POWER CONSUMPTION < 0.3W
- EMI MEET CISPR EN 55022/ FCC CLASS B
- PASS LPS & CE MARKING COMPLIANCE

### SPECIFICATION

#### INPUT SPECIFICATION

**Input Voltage:** Typical 90-264Vac.  
**Input Connector:** 2 blade US plug(WM1)  
2 pole European plug (WM3)  
2 pole AC inlet IEC320-C8(DT8).  
**Input Frequency:** 47-63Hz.  
**Inrush Current:** Typical 3.87Arms at 230Vac.  
**Input Current:** Typical 0.22A at 115Vac, 0.14A at 230Vac.  
**Dielectric Withstand:** Meet IEC60950-1.  
**EMI:** Meet CISPR EN55022 / FCC Class B.  
**Hold-up Time:** Typical 15.2mS at 115Vac,  
Typical 80.8mS at 230Vac.  
**Leakage Current:** Typical 0.22mA.  
**No load power:** Less than 0.3W at 230Vac.

#### OUTPUT SPECIFICATION

**Output Voltage:** See Ratings Chart.  
**Output Current:** See Ratings Chart.  
**Output Wattage:** Typical 12Watt.  
**Output Connector:** Optional.  
**Line Regulation:** Typical 0.1%.  
**Load Regulation:** Typical  $\pm 1-3\%$ .  
**Noise & Ripple:** Typical 1% peak to peak.  
**OVP:** Built-in by Zener circuit.  
**Adjustability:** Factory set.  
**Over Load Protection (OLP):**  
Fully protected against output overload and short circuit.  
Consult the factory for OLP setting.

#### GENERAL SPECIFICATION

**Efficiency:** Typical 75-82%.(various with output voltage)  
**Switching Frequency:** Typical 55-67KHz.  
**Circuit Topology:** Fixed Frequency Flyback circuit.  
**Transient Response:** Peak deviation is 180mV,  
Recovery time is 200 $\mu$ S at 50% step load.  
**Safety Standard:** Meet EN60950-1/ UL60950-1 Class II.

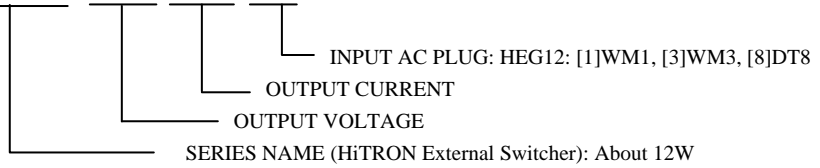
**Operating Temperature:** 0 to +40 °C.  
**Storage Temperature:** -20 to +85 °C.  
**Cooling:** Free air convection.  
**Construction:** Impact resistant thermo-plastic enclosure case.  
**Power Density:** 2.3Watts. / Cubic Inch.

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 ( $\pm\%$ ).  
(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.



In application.

**MODEL NO. DESCRIPTION: HEG12 - XXX YYY - S**



**OUTPUT VOLTAGE / CURRENT RATINGS CHART**

**SINGLE OUTPUT** (Model No. for example)

MODEL NO.	AC PLUG	O/P VOLTAGE	O/P CURRENT	FORMAT
HEG12-050200-1	US type(WM1)	5.0Vdc	2.00A	Wall-mounted
HEG12-050200-3	Euro type(WM3)	5.0Vdc	2.00A	Wall-mounted
HEG12-050200-8	IEC320-C8(DT8)	5.0Vdc	2.00A	Desktop
HEG12-090130-1	US type(WM1)	9.0Vdc	1.30A	Wall-mounted
HEG12-090130-3	Euro type(WM3)	9.0Vdc	1.30A	Wall-mounted
HEG12-090130-8	IEC320-C8(DT8)	9.0Vdc	1.30A	Desktop
HEG12-120100-1	US type(WM1)	12.0Vdc	1.00A	Wall-mounted
HEG12-120100-3	Euro type(WM3)	12.0Vdc	1.00A	Wall-mounted
HEG12-120100-8	IEC320-C8(DT8)	12.0Vdc	1.00A	Desktop
HEG12-150080-1	US type(WM1)	15.0Vdc	0.80A	Wall-mounted
HEG12-150080-3	Euro type(WM3)	15.0Vdc	0.80A	Wall-mounted
HEG12-150080-8	IEC320-C8(DT8)	15.0Vdc	0.80A	Desktop
HEG12-240050-1	US type(WM1)	24.0Vdc	0.50A	Wall-mounted
HEG12-240050-3	Euro type(WM3)	24.0Vdc	0.50A	Wall-mounted
HEG12-240050-8	IEC320-C8(DT8)	24.0Vdc	0.50A	Desktop
HEG12-480025-1	US type(WM1)	48.0Vdc	0.25A	Wall-mounted
HEG12-480025-3	Euro type(WM3)	48.0Vdc	0.25A	Wall-mounted
HEG12-480025-8	IEC320-C8(DT8)	48.0Vdc	0.25A	Desktop

**MECHANICAL DIMENSIONS: MM [INCHES]**

**WEIGHT: 113g (4.0 Oz.)**

