

# HiTRON

## AC/DC EXTERNAL WALLMOUNT ADAPTER 2-BLADE STORAGE TYPE AC PLUG SINGLE OUTPUT 6 WATTS SWITCHING POWER SUPPLIES HES06B SERIES



### FEATURES:

- STORAGE TYPE AC PLUG & OCCUPY ONE RECEPTACLE POSITION ONLY
- SMALL & COMPACT IN SIZE
- EMI MEET CISPR-B/VCCI CLASS 2/FCC CLASS B
- MEET JAPAN, USA SAFETY STANDARDS

### SPECIFICATION

#### INPUT SPECIFICATION

**Input Voltage:** 90-132Vac typical.  
**Input Connector:** 2-blade USA /Japan AC plug storage WM1 type.  
**Input Frequency:** 50/60Hz.  
**Inrush Current:** 17.6A @115Vac typical.  
**Input Current:** 0.12A @ 115Vac.  
**Dielectric Withstand:** Meet UL60950.  
**EMI:** Meet CISPR-B/VCCI CLASS 2/FCC Class B.  
**Hold-up Time:** 26mS @115Vac typical.

#### OUTPUT SPECIFICATION

**Output Voltage:** See Ratings Chart.  
**Output Current:** See Ratings Chart.  
**Output Wattage:** 6 Watts Max.  
**Output Connector:** Optional.  
**Line Regulation:** 0.1% typical.  
**Load Regulation:**  $\pm 2-3\%$  Max.  
**Noise & Ripple:** 1% typical peak to peak.  
**OVP:** Built-in Zener Diode clamping.  
**Adjustability:** Factory set.  
**Overload Protection (OLP):**  
Fully protected against output overload and short circuit.  
OLP set at about 125-150% rating output wattage.  
Consult the factory for OLP setting.

#### GENERAL SPECIFICATION

**Efficiency:** 76% typical. (Various with output voltage)  
**Switching Frequency:** About 80KHz.  
**Circuit Topology:** Free Running Flyback Circuit.  
**Transient Response:** Output voltage returns in less than 10mS following a 25% load change.  
**Safety Standard:** UL60950/PSE Class II.  
**Power Density:** 1.89Watts/Cubic inch.  
**Operating Temperature:** 0 to +40°C with no derating.  
**Storage Temperature:** -20 to +85°C.  
**Temperature Coefficient:** 0.04%/°C typical.  
**Cooling:** Free air convection.  
**Construction:** Impact resistant plastic enclosure case wallmount 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 is 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.



For the details of safety approval, please consult the factory.

Due to requests in market and advances in technology, specifications subject to change without notice.

## OUTPUT VOLTAGE/CURRENT RATINGS CHART

### SINGLE OUTPUT

MODEL NO.	AC INPUT	AC PLUG	O/P VOLTAGE	O/P CURRENT
<b>HES06B-S033120</b>	90-132VAC	WM1	<b>3.3V</b>	1.2A
<b>HES06B-S050120</b>	90-132VAC	WM1	<b>5.0V</b>	1.2A
<b>HES06B-S060100</b>	90-132VAC	WM1	<b>6.0V</b>	1.0A
<b>HES06B-S090060</b>	90-132VAC	WM1	<b>9.0V</b>	0.6A
<b>HES06B-S120050</b>	90-132VAC	WM1	<b>12.0V</b>	0.5A
<b>HES06B-S150040</b>	90-132VAC	WM1	<b>15.0V</b>	0.4A

**MECHANICAL DIMENSIONS: MM [INCHES]**

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

