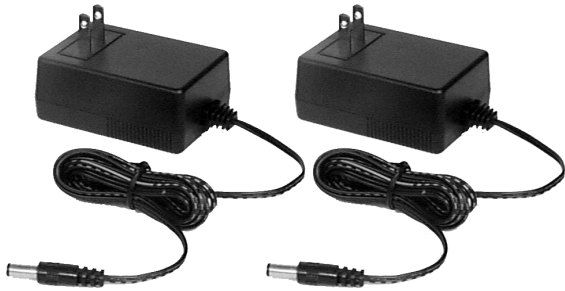


# HiTRON

## AC/DC EXTERNAL WALLMOUNT ADAPTER USA/JAPAN 2-BLADE AC PLUG SINGLE OUTPUT 16-18WATTS SWITCHING POWER SUPPLIES HES18B SERIES



### FEATURES:

- LOW COST WALLMOUNT ADAPTER
- USA 2-BLADES AC PLUG
- EMI MEET EN55022 / FCC CLASS B
- MEET USA,CANADA AND JAPAN STANDARDS

### SPECIFICATION

#### INPUT SPECIFICATION

**Input Voltage:** 90-132Vac (115Vac nominal) typical.  
**Input Connector:** USA/JAPAN/TAIWAN etc.  
2-blade AC plug (WM1).  
**Input Frequency:** 47-63Hz.  
**Inrush Current:** 32A @115Vac or 16.5A @115Vac typical  
by adding thermister.  
**Input Current:** 0.4A @115Vac  
**Dielectric Withstand:** Meet IEC950/ CSA950.  
**EMI:** Meet FCC Class B.  
**Hold-up Time:** 23mS @115Vac typical.

#### OUTPUT SPECIFICATION

**Output Voltage:** See Ratings Chart.  
**Output Current:** See Ratings Chart.  
**Output Wattage:** 16-18 Watts typical.  
**Output Connector & cord:** Optional.  
**Line Regulation:** 0.1% typical.  
**Load Regulation:** ±1.5-3.0% typical.  
**Noise & Ripple:** 1.0% 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.

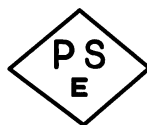
#### GENERAL SPECIFICATION

**Efficiency:** 75-80% typical.  
**Switching Frequency:** 50K Hz. @ full load.  
**Circuit Topology:** Free Running Flyback circuit.  
**Transient Response:** Output voltage returns in less than  
3mS following a 25% load change.  
**Safety Standard:** UL1950/ EN60950 Class II.  
**Power Density:** 2.2Watts / Cubic inch.  
**Operating Temperature:** 0°C to room temperature.  
**Storage Temperature:** -20 to +85°C.  
**Temperature Coefficient:** 0.04% /°C typical.  
**Cooling:** Free air convection.  
**Construction:** Impact resistant thermo-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 (±%).

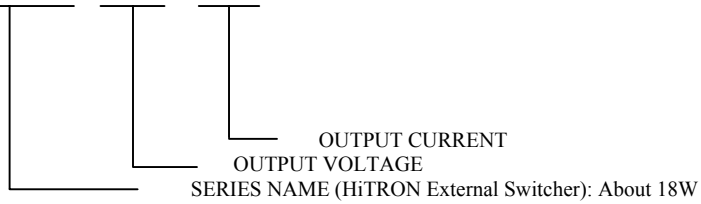
(3) The exact obtainable load regulation depends upon the output load current & cord selected. Upper data are for 6 ft.(2 meters)cord AWG#18 wires..



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.

**MODEL NO. DESCRIPTION: HES18B – XXX YYY**



**OUTPUT VOLTAGE / CURRENT RATINGS CHART**

DEFINED OUTPUT VOLTAGE (Vdc)	OUTPUT VOLTAGE (Vdc) / CURRENT (A)
3.3Vdc ≤ Any Voltage < 12.0Vdc	3.3-4.0V/3.5-3.2A, 4.1-5.0V/3.2-3.0A, 5.1-6.0V/2.98-2.7A, 6.1-6.9V/2.6-2.4A, 7.0-7.9V/2.4-2.2A, 8.0-8.9V/2.1-2.0A, 9.0-9.9V/1.95-1.81A, 10.0-10.9V/1.8-1.65A, 11.0-11.9V/1.63-1.51A.
12.0Vdc ≤ Any Voltage ≤ 30.0Vdc	12.0-12.8V/1.5-1.4A, 12.9-13.8V/1.39-1.3A, 13.9-15.0V/1.29-1.2A, 15.1-16.3V/1.19-1.1A, 16.4V-18.0V/1.09-1.0A, 18.1-20V/0.99-0.9A, 20.1-22.5V/0.89-0.8A, 22.6-25.7V/0.79-0.70A, 25.8-27.6V/0.69-0.65A, 27.7-30.0V/0.64-0.60A.

Note: Refer to the upper Chart or consult factory for the exact Model No. and V/A ratings and consult factory for the exact Model No.

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

MODEL NO.	OUTPUT VOLTAGE (Vdc)	OUTPUT CURRENT (A)
HES18B-033350	3.3V	3.50A
HES18B-050300	5.0V	3.00A
HES18B-063260	6.3V	2.60A
HES18B-095185	9.5V	1.85A
HES18B-120150	12.0V	1.50A
HES18B-150120	15.0V	1.20A
HES18B-180100	18.0V	1.00A
HES18B-240075	24.0V	0.75A
HES18B-300060	30.0V	0.60A

**MECHANICAL DIMENSIONS: MM [INCHES]      WEIGHT: HES18B-WM 168.0g (5.93 Oz.)**

