

Hitron

AC/DC EXTERNAL WALLMOUNT & DESKTOP ADAPTER UNIVERSAL OR USA INPUT RANGE SINGLE OUTPUT 12 WATTS SWITCHING POWER SUPPLIES HES12 & HES12B SERIES



FEATURES:

- LOW COST WALLMOUNT ADAPTER
- DIVERSE AC PLUGS AVAILABLE
- MEET DIVERSE SAFETY STANDARDS
- EMI MEET EN 55022 OR FCC CLASS B
- CE MARKING COMPLIANCE

SPECIFICATION

INPUT SPECIFICATION

Input Voltage: HES12 typ. 90-264Vac, rating 100-240Vac.

HES12B typ. 90-132Vac, rating 120Vac.

Input Connector:

HES12: WM1 (U.S.2-blade)/WM3 (Euro-stecker)/

DT8(IEC320-2P). HES12B: WM1 (U.S.2-blade). Input Frequency: 47-63Hz.

Inrush Current:

HES12: 28A @ 230Vac typical by adding thermister.

HES12B: 22.5A @ 115Vac typical.

Input Current: HES12 0.15A @ 230Vac typical.

HES12B 0.24A @ 115Vac typical.

Dielectric Withstand: Meet IEC60950. **EMI:** Meet EN 55022 or FCC Class B.

Hold-up Time: 13.2mS@115Vac/42.0mS@230Vac.

OUTPUT SPECIFICATION

Output Voltage: See Ratings Chart.
Output Current: See Ratings Chart.
Output Wattage: 12 Watts typical.
Output Connector: Optional.
Line Regulation: 0.1% typical.
Load Regulation: ±2-3% typical.

Noise & Ripple: 1.0% typical peak to peak. **OVP:** Built-in. By Zener diode clamping.

Adjustability: Factory set.

Overload Protection (OLP):

Fully protected against output overload or short circuit.

OLP set at about 120-150% max. load. Consult the factory for special OLP setting

GENERAL SPECIFICATION

Efficiency: 80.5% typical.

Switching Frequency: 56-76K Hz.@ full load typical.

Circuit Topology: Free-running flyback circuit.

Transient Response: Output voltage returns typical 1mS

following a 25% load change.

Safety Standard: Meet UL60950/EN60950 Class II.

Power Density: 2.3 Watts / Cubic inch.

Operating Temperature: 0 to +25/35/40°C

without derating. (various with output voltage)

Storage Temperature: -20 to +85°C.

Temperature Coefficient: 0.04% /°C typical.

Cooling: Free air convection.

Construction: Impact resistant thermo-plastic

enclosure case.

Wallmount or Desktop format.

NOTE: (1) All measurements are at nominal input, full load, and +25°C unless otherwise specified.

- (2) Load regulation is measured at 115 Vac or 230 Vac 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
- (4) Due to requests in market and advances in technology, specifications subject to change without notice.



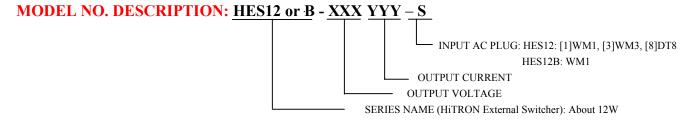








For the details of safety approval, please consult the factory.



OUTPUT VOLTAGE/CURRENT RATINGS CHART

SINGLE OUTPUT

MODEL NO.	AC INPUT	AC PLUG	O/P VOLTAGE	O/P CURRENT	FORMAT
HES12-033240-1,3,8	90-264Vac	WM1/WM3/DT8	3.3Vdc	2.40A	Wallmount/Desktop
HES12B-033240	90-132Vac	WM1	3.3Vdc	2.40A	Wallmount
HES12-050240-1,3,8	90-264Vac	WM1/WM3/DT8	5.0Vdc	2.40A	Wallmount/Desktop
HES12B-050240	90-132Vac	WM1	5.0Vdc	2.40A	Wallmount
HES12-060200-1,3,8	90-264Vac	WM1/WM3/DT8	6.0Vdc	2.00A	Wallmount/Desktop
HES12B-060200	90-132Vac	WM1	6.0Vdc	2.00A	Wallmount
HES12-065180-1,3,8	90-264Vac	WM1/WM3/DT8	6.5Vdc	1.80A	Wallmount/Desktop
HES12B-065180	90-132Vac	WM1	6.5Vdc	1.80A	Wallmount
HES12-075160-1,3,8	90-264Vac	WM1/WM3/DT8	7.5Vdc	1.60A	Wallmount/Desktop
HES12B-075160	90-132Vac	WM1	7.5Vdc	1.60A	Wallmount
HES12-090130-1,3,8	90-264Vac	WM1/WM3/DT8	9.0Vdc	1.30A	Wallmount/Desktop
HES12B-090130	90-132Vac	WM1	9.0Vdc	1.30A	Wallmount
HES12-120100-1,3,8	90-264Vac	WM1/WM3/DT8	12.0Vdc	1.00A	Wallmount/Desktop
HES12B-120100	90-132Vac	WM1	12.0Vdc	1.00A	Wallmount
HES12-150080-1,3,8	90-264Vac	WM1/WM3/DT8	15.0Vdc	0.80A	Wallmount/Desktop
HES12B-150080	90-132Vac	WM1	15.0Vdc	0.80A	Wallmount
HES12-240050-1,3,8	90-264Vac	WM1/WM3/DT8	24.0Vdc	0.50A	Wallmount/Desktop
HES12B-240050	90-132Vac	WM1	24.0Vdc	0.50A	Wallmount
HES12-480025-1,3,8	90-264Vac	WM1/WM3/DT8	48.0Vcd	0.25A	Wallmount/Desktop
HES12B-480025	90-132Vac	WM1	48.0Vdc	0.25A	Wallmount

MECHANICAL DIMENSIONS: MM [INCHES]

WEIGHT: 113g (4.0 Oz.)

