

HiTRON

AC/DC EXTERNAL DESKTOP ADAPTER UNIVERSAL INPUT SINGLE OUTPUT 100 WATTS SWITCHING POWER SUPPLIES HES102 SERIES



FEATURES:

- ACCOMMODATE UNIVERSAL AC INPUT
- DESKTOP IEC320-3P AC RECEPTACLE
- MEET UNIVERSAL SAFETY STANDARD
- EMI MEET EN 55022/FCC CLASS B
- CE MARKING COMPLIANCE

SPECIFICATION

INPUT SPECIFICATION

Input Voltage: 90-264Vac typical.
Input Connector: IEC320-3P AC receptacle.
Input Frequency: 50-60Hz.
Inrush Current: 32.5A @230Vac by adding thermistor.
Input Current: 1.6A @115Vac &
0.75A @230Vac typical.
Dielectric Withstand: Meet IEC950.
EMI: Meet EN55022 / FCC Class B.
Hold-up Time: 10mS @115Vac & 56mS @230Vac.
Earth Leakage: 0.45mA @230Vac.

OUTPUT SPECIFICATION

Output Voltage: See Ratings Chart.
Output Current: See Ratings Chart.
Output Wattage: 100 Watt typical.
Output Connector & Cord: Option.
Line Regulation: 1% typical.
Load Regulation: $\pm 1.7\%$ typical.
Noise & Ripple: 1.3% typical peak to peak.
OVP: Built-in, Latched circuit.
Adjustability: Factory set, not available.
Overload Protection (OLP):
Fully protected against output overload and short circuit.
Typical 120-150% max. load.
Consult the factory for special OLP setting.

GENERAL SPECIFICATION

Efficiency: 80% typical.
Switching Frequency: Approximate 62K Hz.
Circuit Topology: Fixed frequency Forward circuit.
Transient Response: Output voltage returns in about
1mS following a 25% load change.
Safety Standard: UL1950/EN60950 Class I.
Power Density: 2.44 Watts / Cubic inch.

Operating Temperature: 0 to +40°C.
Storage Temperature: -20 to +85°C.
Temperature Coefficient: 0.04%/°C.
Cooling: Internal fan installed.
Construction: Impact resistant thermo- plastic enclosure.
Power Factor: 0.69 @115Vac./ 0.73@230Vac.
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 is varied from half load to full load ($\pm\%$).

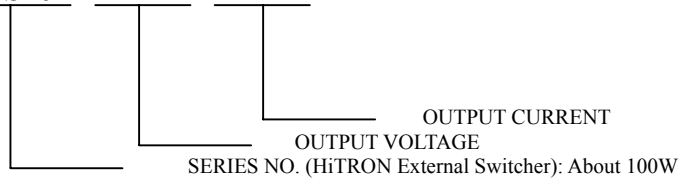
(3) The typical cord length is about 1 meter (3.3 ft.), AWG#18 cord for various load conditions.



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: HES102 - X X X Y Y Y



OUTPUT VOLTAGE / CURRENT RATINGS CHART

SINGLE OUTPUT

MODEL NO.	Main O/P ★ @			
	MIN.	TYP.	VOLT.	MAX.
HES102-033215	0.8A	21.5A	3.3V	25.0A
HES102-050180	0.7A	18.0A	5.0V	20.0A
HES102-060155	0.6A	15.5A	6.0V	18.0A
HES102-090105	0.6A	10.5A	9.0V	13.0A
HES102-120085	0.5A	8.5A	12.0V	10.0A
HES102-150068	0.5A	6.8A	15.0V	8.0A
HES102-240042	0.5A	4.2A	24.0V	5.0A
HES102-280036	0.3A	3.6A	28.0V	4.3A
HES102-360028	0.3A	2.8A	36.0V	3.3A
HES102-480021	0.3A	2.1A	48.0V	2.5A

Symbol: "★" OVP built-in. "@" Adjustable (factory set).

MECHANICAL DIMENSIONS: MM [INCHES]

WEIGHT: 746.6g(26.33 Oz.)

