Hitron

AC/DC EXTERNAL DESKTOP ADAPTER UNIVERSAL INPUT SINGLE OUTPUT 60-65 WATTS SWITCHING POWER SUPPLIES HES65 SERIES



FEATURES:

- ACCOMMODATE UNIVERSAL AC INPUT
- DESKTOP IEC320-3P/2P AC RECEPTACLE
- MEET UNIVERSAL SAFETY STANDARDS
- EMI MEET EN55022 / FCC CLASS B
- CE MARKING COMPLIANCE

SPECIFICATION

INPUT SPECIFICATION

Input Voltage: 90-264Vac typical.

Input Connector: IEC320 3P DT7 or 2P DT8

AC inlet receptacle.

Input Frequency: 47-63Hz.

Inrush Current: Less than 30A by adding thermister. **Input Current:** 1.3A @115Vac./0.55A @230Vac typical.

Dielectric Withstand: Meet IEC60950-1. EMI: Meet EN55022 / FCC Class B. Hold-up Time: 12mS @115Vac typical. 75mS @230Vac typical.

Over Temp. Protection (OTP): Optional.
Over Current Protection (OCP): Optional.

OUTPUT SPECIFICATION

Output Voltage: See Ratings Chart.
Output Current: See Ratings Chart.
Output Wattage: 60-65Watt typical.
Output Connector & Cord: Optional.
Output LED Indicator: Installed.
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.

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: 80-86% typical.

Switching Frequency: Approximate 85K Hz. **Circuit Topology:** Fixed Frequency Flyback circuit.

Transient Response: Output voltage returns in less than

3mS following a 25% load change.

Safety Standard: Meet UL60950-1/ EN60950-1 Class I for

DT7 type or Class II for DT8 type.

Power Density: 4.2 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.

Cooling: Free air convection.

Construction: Impact resistant thermo-plastic

enclosure case.

Desktop Format.

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

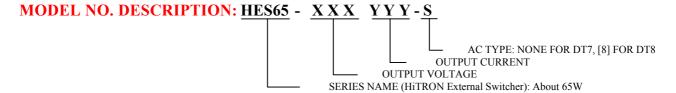
- (2) Load regulation is measured at 115 Vac or 230 Vac in percentage to indicate the change in output voltage as the load is varied from half load to full load (±%).
- (3) The typical cord length is about 1 meter (3.3 ft.), AWG#18 cord for various load conditions.
- (4) Due to requests in market and 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. for example)

MODEL NO.	AC PLUG	O/P VOLTAGE	O/P CURRENT
HES65-033750	DT7	3.3Vdc	7.50A
HES65-033750-8	DT8	3.3Vdc	7.50A
HES65-050700	DT7	5.0Vdc	7.00A
HES65-050700-8	DT8	5.0Vdc	7.00A
HES65-090600	DT7	9.0Vdc	6.00A
HES65-090600-8	DT8	9.0Vdc	6.00A
HES65-120520	DT7	12.0Vdc	5.20A
HES65-120520-8	DT8	12.0Vdc	5.20A
HES65-150430	DT7	15.0Vdc	4.30A
HES65-150430-8	DT8	15.0Vdc	4.30A
HES65-180360	DT7	18.0Vdc	3.60A
HES65-180360-8	DT8	18.0Vdc	3.60A
HES65-196340	DT7	19.6Vdc	3.40A
HES65-196340-8	DT8	19.6Vdc	3.40A
HES65-240290	DT7	24.0Vdc	2.90A
HES65-240290-8	DT8	24.0Vdc	2.90A
HES65-360185	DT7	36.0Vdc	1.85A
HES65-360185-8	DT8	36.0Vdc	1.85A
HES65-480140	DT7	48.0Vdc	1.40A
HES65-480140-8	DT8	48.0Vdc	1.40A

MECHANICAL DIMENSIONS: MM [INCHES]

