

# HiTRON

## AC/DC EXTERNAL DESKTOP ADAPTER UNIVERSAL INPUT SINGLE OUTPUT 75 WATTS SWITCHING POWER SUPPLIES HES75 SERIES



### FEATURES:

- ACCOMMODATES UNIVERSAL AC SOURCES
- DESKTOP IEC320-3PL/2P AC RECEPTACLE
- MEET UNIVERSAL SAFETY STANDARDS
- EMI MEET EN 55022/FCC CLASS B
- CE MARKING COMPLIANCE

### SPECIFICATION

#### INPUT SPECIFICATION

**Input Voltage:** Range 90-264Vac typical.  
**Input Connector:** IEC320-3PL/2P AC receptacle.  
**Input Frequency:** 47-63Hz.  
**Inrush Current:** 26A@120Vac & 55A@230Vac typical.  
**Input Current:** 1.2A @ 120Vac & 0.6A @ 230Vac typical.  
**Dielectric Withstand:** Meet IEC60950.  
**EMI/RFI:** Meet EN 55022 & FCC Class B.  
**Hold-up Time:** 16mS @ 115Vac / 72mS @ 230Vac typical.  
**Constant Current Protection:** Installed.  
**Over Temp. Protection (OTP):** Installed.  
**Earth Leakage:** 0.35mA typical.

#### OUTPUT SPECIFICATION

**Output Voltage:** See Ratings Chart.  
**Output Current:** See Ratings Chart.  
**Output Wattage:** 75 Watts typical.  
**Output Connector & Cord:** Optional.  
**Output LED Indicator:** Installed.  
**Line Regulation:** 0.1% typical.  
**Load Regulation:**  $\pm 2-3.0\%$  typical.  
**Noise & Ripple:** 1% typical peak to peak.  
**OVP:** Built-in (latch).  
**Adjustability:** Factory set.  
**Overload Protection (OLP):**  
Fully protected against output overload and short circuit.  
Typically set at 115% max. load.  
Consult the factory for special OLP setting.

#### GENERAL SPECIFICATION

**Efficiency:** 86-91.5% typical at adapter body.  
89% typical at end of 2M 18AWG cable cord.  
**Switching Frequency:** Approximate 72K Hz.  
**Circuit Topology:** Fixed frequency Flyback circuit.  
**Transient Response:** Output voltage returns in less than  
0.1mS following a 25% load change.  
**Safety Standard:** Meet UL60950/EN60950 Class I & II.

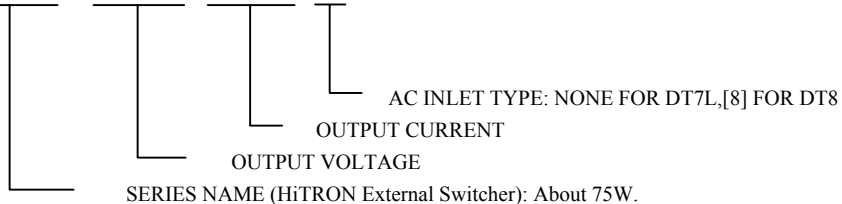
**Operating Temperature:** 0 to +25/35/40°C  
without derating. (various with output voltage)  
**Storage Temperature:** -20 to +85°C.  
**Temperature Coefficient:** 0.04% /°C typical.  
**Cooling:** Free air convection cooling.  
**Construction format:** Impact resistant thermo-plastic  
enclosure. Desktop format.  
**Power Density:** 6.45 Watts / Cubic inch.

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.  
(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.

**MODEL NO. DESCRIPTION: HES75 - X X X Y Y Y - S**



**OUTPUT VOLTAGE/CURRENT RATINGS CHART**

**SINGLE OUTPUT**

MODEL NO.	AC PLUG	O/P VOLTAGE	O/P CURRENT
HES75-120550	DT7L	12.0Vdc	5.50A
HES75-120550-8	DT8	12.0Vdc	5.50A
HES75-160430	DT7L	16.0Vdc	4.30A
HES75-160430-8	DT8	16.0Vdc	4.30A
HES75-170440	DT7L	17.0Vdc	4.40A
HES75-170440-8	DT8	17.0Vdc	4.40A
HES75-180416	DT7L	18.0Vdc	4.16A
HES75-189389		18.9Vdc	3.89A
HES75-180416-8	DT8	18.0Vdc	4.16A
HES75-189389-8		18.9Vdc	3.89A
HES75-190390	DT7L	19.0Vdc	3.90A
HES75-199319		19.9Vdc	3.19A
HES75-190390-8	DT8	19.0Vdc	3.90A
HES75-199319-8		19.9Vdc	3.19A
HES75-200375	DT7L	20.0Vdc	3.75A
HES75-200375-8	DT8	20.0Vdc	3.75A

**MECHANICAL DIMENSIONS: MM [INCHES]**

**WEIGHT: 324.0g (11.5 Oz.)**

