

# TOTAL POWER INT'L

## AC/DC EXTERNAL DESKTOP ADAPTER UNIVERSAL INPUT SINGLE OUTPUT 75 WATTS SWITCHING POWER SUPPLIES TPES75 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 IEC950.  
**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:** UL1950/EN60950 Class I & II.

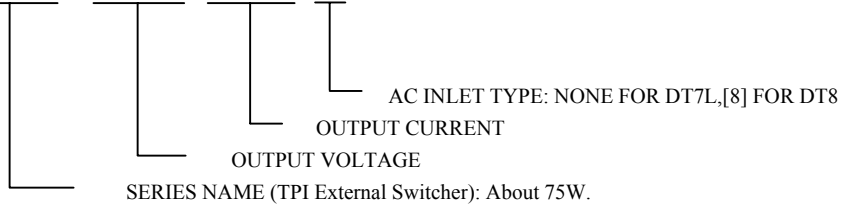
**Operating Temperature:** 0 to +40°C.  
**Storage Temperature:** -20 to +85°C.  
**Temperature Coefficient:** 0.04% /°C typical.  
**Cooling:** Free air convection cooling.  
**Construction format:** Impact resistant thermo-plastic  
enclosure. Desktop format.  
**Power Density:** 6.45 Watts / Cubic inch.



In application

Due to requests in market and advances in technology, specifications subject to change without notice.

**MODEL NO. DESCRIPTION: TPES75 - X X X Y Y Y - S**



**OUTPUT VOLTAGE/CURRENT RATINGS CHART**

**SINGLE OUTPUT**

MODEL NO.	AC INLET	OUTPUT VOLTAGE (Vdc)	OUTPUT CURRENT (Amp.)
TPES75-120550	DT7L	12.0V	5.50A
TPES75-120550-8	DT8	12.0V	5.50A
TPES75-160430	DT7L	16.0V	4.30A
TPES75-160430-8	DT8	16.0V	4.30A
TPES75-170440	DT7L	17.0V	4.40A
TPES75-170440-8	DT8	17.0V	4.40A
TPES75-180416	DT7L	18.0V	4.16A
TPES75-189389		18.9V	3.89A
TPES75-180416-8	DT8	18.0V	4.16A
TPES75-189389-8		18.9V	3.89A
TPES75-190390	DT7L	19.0V	3.90A
TPES75-199319		19.9V	3.19A
TPES75-190390-8	DT8	19.0V	3.90A
TPES75-199319-8		19.9V	3.19A
TPES75-200375	DT7L	20.0V	3.75A
TPES75-200375-8	DT8	20.0V	3.75A

**MECHANICAL DIMENSIONS: MM [INCHES]**

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

