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: ± 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

- S — AC INLET TYPE: NONE FOR DT7L,[8] FOR DT8
- YYY — OUTPUT CURRENT
- XXX — OUTPUT VOLTAGE
- TPES75 — SERIES NAME (TPI External Switcher): About 75W.

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		**18.0V**	4.16A
|	**DT7L**	|	|
TPES75-189389		**18.9V**	3.89A
TPES75-180416-8		**18.0V**	4.16A
|	**DT8**	|	|
TPES75-189389-8		**18.9V**	3.89A
TPES75-190390		**19.0V**	3.90A
|	**DT7L**	|	|
TPES75-199319		**19.9V**	3.19A
TPES75-190390-8		**19.0V**	3.90A
|	**DT8**	|	|
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.)

