

TOTAL POWER INT'L

UNIVERSAL INPUT AC TO DC EXTERNAL WALLMOUNT & DESKTOP ADAPTOR SINGLE OUTPUT 16-18 WATTS SWITCHING POWER SUPPLIES TPES18 SERIES



FEATURES:

- UNIVERSAL INPUT
- DIVERSE AC PLUGS AVAILABLE
- WALLMOUNT OR DESKTOP FORMAT
- MEET UNIVERSAL SAFETY STANDARD
- EMI MEET EN55022 / FCC CLASS B
- CE MARKING COMPLIANCE

SPECIFICATION

INPUT SPECIFICATION

Input Voltage: 90-264Vac typical.
Input Connector:
Wallmount format: WM1,2(USA/Japan)/WM3(Euro-Stecker)/
 WM4(Schuko-stecker)/ WM5(UK)/
 WM6, 6G(Australia)
Desktop format: IEC320 Inlet Type: DT7-3P or DT8-2P.
 Mouse Power Pig-tail type: PT1/2/3/4/5/6/7.
Input Frequency: 47-63Hz.
Inrush Current: Typical 48A @230Vac or
 28A @230Vac by adding thermister.
Input Current: 0.4A @115Vac/ 0.17A @230Vac.
Dielectric Withstand: Meet IEC950.
EMI: Meet EN55022 / FCC Class B.
Hold-up Time: 10mS @115Vac/ 40mS @230Vac.

OUTPUT SPECIFICATION

Output Voltage: See Ratings Chart.
Output Current: See Ratings Chart.
Output Wattage: 16 ~ 18 Watts typical.
Output Connector: Optional.
Line Regulation: 0.1% typical.
Load Regulation: ±1.5 ~3.0% typical.
Noise & Ripple: Typ. 1.0% peak to peak.
OVP: Built-in Zener diode clamping.
Adjustability: Factory set.
Overload Protection: Typ.120-150% of max. power
 overrange or short circuit, power foldback
 & self-recovering.

GENERAL SPECIFICATION

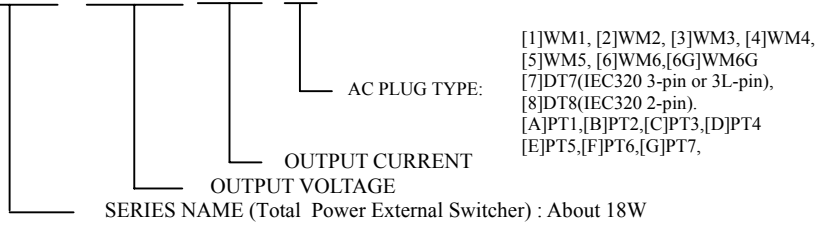
Efficiency: 75 ~ 80% typical.
Switching Frequency: Fixed 40KHz.
Circuit Topology: Fixed Frequency Flyback circuit.
Transient Response: Output voltage returns in
 less than 3mS following a 25% load change.
Safety Standard: UL1950/ EN60950 Class II.
 Class I for WM2,4,5,6G / DT7/PT 2,4,5,7.
Power Density: 2.0 ~ 2.3Watts / Cubic Inch.
Operating Temperature: 0 to +40°C.
Storage Temperature: -20 to +85°C.
Temperature Coefficient: 0.04% /°C.
Cooling: Free air convection.
Construction: Impact resistant thermo-plastic
 enclosure case.
Wallmount or Desktop Format.

Notes: (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 (±%).
 (3) The exact obtainable load regulation depends upon the output cord selected and load current. Upper data are for 6 ft.(2 meters)cord AWG#18 wires.



For the details of safety, please consult the factory

MODEL NO. DESCRIPTION: TPES18 - X X X YYY - S



OUTPUT VOLTAGE / CURRENT RATINGS CHART

| DEFINED OUTPUT VOLTAGE(Vdc) | OUTPUT VOLTAGE (Vdc) / CURRENT (A) |
|----------------------------------|--|
| 3.3 Vdc ≤ Any Voltage < 12.0 Vdc | 3.3-5.0V/2.8-3.0A, 5.1-5.4V/2.95-2.8A, 5.5-5.9V/2.76-2.6A, 6.0-6.9V/2.56-2.3A, 7.0-7.9V/2.3-2.0A, 8.0-8.9V/2.0-1.85A, 9.0-10.0V/1.84-1.7A, 10.1-11.9V/1.7-1.52A. |
| 12.0Vdc ≤ Any Voltage ≤ 24.0 Vdc | 12.0-15.0V/1.5-1.2A 15.1-18.0V/1.19-1.0A 18.1-20.0V/0.99-0.90A 20.1-22.5V/0.89-0.80A 22.6-24.0V/ 0.79-0.75A |

Note: Refer to the upper Chart or consult factory for the exact Model No. and V/A ratings.

SINGLE OUTPUT (Model No. for example.)

| MODEL NO. | AC PLUG | O/P VOLTAGE (Vdc) | O/P CURRENT (A) | FORMAT |
|-----------------|---------|-------------------|-----------------|-----------|
| TPES18-033280-1 | WM1 | 3.3V | 2.80A | Wallmount |
| TPES18-050300-3 | WM3 | 5.0V | 3.00A | Wallmount |
| TPES18-070230-5 | WM5 | 7.0V | 2.30A | Wallmount |
| TPES18-090184-6 | WM6 | 9.0V | 1.84A | Wallmount |
| TPES18-120150-7 | DT7 | 12.0V | 1.50A | Desktop |
| TPES18-150120-8 | DT8 | 15.0V | 1.20A | Desktop |
| TPES18-240075-G | PT7 | 24.0V | 0.75A | Mouse-PT |

MECHANICAL DIMENSIONS: MM [INCHES]

WEIGHT: HES18-WM 168.0g (5.93 Oz.)

