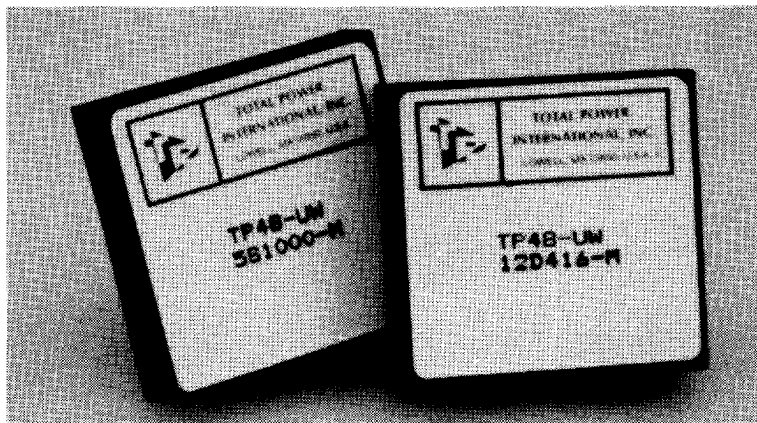


TOTAL POWER INTERNATIONAL, INC.

**5 - 10 WATT
ULTRA WIDE RANGE
DC/DC CONVERTERS**



TPUW SERIES

Features

- 7 : 1 Input Range
- Efficiencies to 80%
- 100kHz Switching Frequency
- Six-Sided Shielding

Specifications: At 25°C

Input

- Input Voltage Range : 10-72 VDC
- Input Filter : Pi Network
- Reverse Voltage Protection : Internal Shunt Diode

Output

- Voltage / Current Rating : See Order Information Table
- Voltage Tolerance : ±1% (max) Single Output
±1% (max) + Dual Output
±3% (max) - Dual Output
- Line Regulation (HL-LL) : ±0.5% (max) Single & Dual
- Load Regulation (FL - 1/4L) : ±0.5% (max) Single
±1% (max) Dual
- Ripple and Noise (20 MHz BW) : 1%
- Voltage Stability Over 24 Hours : ±0.5% (max)
- Transient Response : 100 Microsec. (max)
- (25% step load change)
- Efficiency : Up to 82%
- Dielectric Withstand : 500 VDC (min)
- Isolation Resistance : 1000 Megohms
- Switching Frequency : 100 KHz
- Short Circuit Protection : Foldback
- Overvoltage Protection : Clamp, All Outputs

Environmental

- Operating Temperature : -25°C to 71°C
- Storage Temperature : -55°C to 100°C
- Temperature Coefficient : ±0.02% /°C

Mechanical

- Case Material : Metal, Black Coating
- Shielding Connection : To Output Common

ORDER INFORMATION TABLE

MODEL NO.	INPUT VOLTAGE	OUTPUT VOLTAGE	OUTPUT CURRENT	INPUT NO LOAD	CURRENT FULL LOAD
	VDC	VDC	mA	mA	mA
TP 48UW 5S 1000-M	10 - 72	5	1000	20	135
TP 48UW 12S 500-M	10 - 72	12	500	20	155
TP 48UW 15S 400-M	10 - 72	15	400	20	155
TP 48UW 12D 225-M	10 - 72	± 12	225	25	160
TP 48UW 15D 200-M	10 - 72	± 15	200	25	160
TP 48UW 5S 2000-M	10 - 72	5	2000	20	275
TP 48UW 12S 833-M	10 - 72	12	833	20	260
TP 48UW 15S 666-M	10 - 72	15	666	20	260
TP 48UW 12D 416-M	10 - 72	± 12	416	25	270
TP 48UW 15D 333-M	10 - 72	± 12	333	25	270

MECHANICAL DIMENSIONS (Alternate Pinouts)

