

- ▶ Highest power density open frame power supply
100 W in 2" x 3" and 150 W in 2" x 4"
- ▶ Medical safety approval according IEC 60601-1 3rd edition 2 x MOPP
- ▶ Ready to meet ErP directive: Highest efficiency 89 % to 92 % across 10 %–100 % load range,
<0.3 W no load power consumption
- ▶ Safety class II prepared

Full datasheet in progress



Specifications	
Input voltage range	90–264 VAC, 47–63 Hz
Line regulation	0.3 % max.
Load regulation	0.5 %
Ripple & noise (20MHz)	< 1 % of Vout
EMI suppression	EN 55022 class B
EMC immunity	EN 61000-6-2
Efficiency	92 % typ.
Operating temperature	–20 °C to +70 °C
Safety standards / approvals	IEC 60601-1 3rd edition 2 x MOPP, UL 60601-1 IEC/EN 60950-1, UL 60950-1
Degree of protection	Safety class II prepared
Casing	Open frame with pin connector
Full datasheet	www.tracopower.com/products/tpp.pdf

Models			
Order code	Output power max.	Output voltage	Output current max.
TPP 100-105	100 W	5 VDC	20.0 A
TPP 100-112		12 VDC	8.34 A
TPP 100-115		15 VDC	6.67 A
TPP 100-124		24 VDC	4.17 A
TPP 100-128		28 VDC	3.58 A
TPP 100-148		48 VDC	2.09 A
TPP 150-112	150 W	12 VDC	12.5 A
TPP 150-115		15 VDC	10.0 A
TPP 150-124		24 VDC	6.25 A
TPP 150-136		36 VDC	4.17 A
TPP 150-148		48 VDC	3.13 A

TSP/TSPC DIN–Rail Battery Controller Modules

All modules provide a professional battery control function to charge and monitor external lead-acid batteries. These are to build professional DC-UPS systems using TSP and TSP-WR series power supplies.

Full datasheet in progress

- ▶ Battery protection against over-voltage, deep discharge, short circuit and reverse connection
- ▶ Remote On/Off for battery and power supply
- ▶ Alarm outputs for input, output and battery condition
- ▶ Controlled end of charge voltage by external battery temperature sensor



TSPC 240UPS
24 VDC / 240 W power supply with integrated battery controller

TSP-BCMU360
Universal battery controller module,
24 / 48 VDC step up from 12 V batteries

TSP-BCM
Battery controller modules for TSP power supplies,
for 12, 24 and 48 VDC output voltage systems

Models			
Order code	Input	Output	Battery / max. charging current
TSPC 240UPS	115 / 230 VAC (selection switch)	24 VDC / 10 A (12A boost)	12 V / 1 A
TSP-BCMU360	Any 24 VDC or 48 VDC	Input voltage, 240 W (360 W boost)	12 V / 1.2 A
TSP-BCM12	TSP 070-112 or TSP 140-112	12 VDC	12 V / 1.4 A
TSP-BCM24	TSP 090-124 or TSP 180-124 (-WR) or TSP 360-124(-WR)	24 VDC	24 V / 3.0 A
TSP-BCM24A	TSP 600-124(-WR)	24 VDC	24 V / 6.4 A
TSP-BCM48	TSP 090-148 or TSP 180-148 or TSP 360-148	48 VDC	48 V / 1.4 A
TSP-BCM24A	TSP 600-148	48 VDC	48 V / 3.0 A