



TPS 800

## DESCRIPTION

Leveraging the best in commercially available technology and components, CME's ruggedized PP-2953 D/U and PP-6224 C/U Tactical Power Supply (TPS) is a single, environmentally sealed, modern replacement for the PP-6224 B/U and PP-2953C/U power supplies.

The TPS provides up to 800 watts to power 28 VDC (24 – 32 VDC) electrical devices from a 115/230 VAC source (auto switching) at 50, 60, or 400 Hz single phase. Essentially the same power supply, the PP-2953D/U power supply comes with three cables (two DC, and one AC); and the PP-6624C/U comes with two cables (one DC, and one AC).

This bench-top power supply meets rigorous environments. The highly reliable TPS 800 (CME P/N 0011213-001) delivers superior performance, ease of use, and user benefits.

## APPLICATIONS

TPS 800 is ideal for providing quiet, reliable power in military or homeland security operation centers, command posts, headquarters, and encampments, for radios, and other military electronics or sensors.

- Bench-top power supply for 28V electrical loads
- Military radio-telephone operators
- Homeland security radio-telephone operators
- Signal/Communication units
- Other C4ISR applications (e.g., LRAS3 referred to as AN/TAS-8(v)1 and (v)2)

## KEY FEATURES & BENEFITS

- Automatic 115/230 VAC switching
- Best performance high-density modules
- Power factor correction
- Rugged cast housing and cover
- Environmentally sealed for dust, sand; waterproof
- Convective heat transfer – fanless design
- NVIS compliant, visual indicators
- Easy to use
- Reduced life cycle cost
- Easily maintainable modular design
- User guide
- Additional cable accessories can be ordered
- Proven high reliability in the field

*Use Our Expertise to Design and Build Your Solutions!*

Custom Manufacturing & Engineering™ ♦ AS9100D with ISO 9001:2015 Registered ♦ ISO 17025 Calibration  
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TPS Datasheet 052918(A)

**SPECIFICATIONS**

<b>INPUT</b>	115/230 VAC at 50, 60, or 400 Hz single phase, auto switching 0.95 at 50/60 Hz; 0.86 at 400 Hz full load at 28 VDC with 115 VAC in 24 VDC battery standby mode (pass-through, not DC-to-DC) 1 AC input connector on front 1 DC input connector on rear
<b>OUTPUT</b>	24 to 32 VDC at 0 to 25A (800W) adjustable $\pm 1\%$ peak, 0.5% RMS maximum ripple from 20 Hz to 10 MHz > 70% efficiency One output connector available on front with remote sense Two output connectors available on rear
<b>TEMPERATURE</b>	Operating ambient temperature in the range of +150°F (+66°C) to -40°F (-40°C); convection cooling (sealed, fanless design)
<b>SIZE</b>	Height: 7.25 in (max) (18.415 cm) Width: 14.25 in (max) (36.195 cm) Depth: 14.50 in (max) (36.830 cm) Volume: 1498 in <sup>3</sup> (max) (24,547.82 cm)
<b>WEIGHT</b>	36.5 pounds (16.556 kg)
<b>RELIABILITY</b>	>90% probability of 50,000 hours failure-free operation
<b>COMPLIANCE</b>	Designed and tested to MIL-STD-461D, MIL-STD-810F, MIL-HDBK-781D, MIL-STD-3009
<b>OTHER FEATURES</b>	Completely Sealed Unit, Stackable Benchtop/Portable

