



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) is in production and 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
- 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

SPECIFICATIONS

INPUT	115/230 VAC at 50, 60, or 400 Hz single phase, auto switching 24 VDC battery standby mode (pass-through, not DC-to-DC) 1 AC input connector on front 1 DC input connector on rear
OUTPUT	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
TEMPERATURE	Operating ambient temperature in the range of +150°F (+66°C) to -40°F (-40°C); convection cooling (sealed, fanless design)
SIZE	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 ³ (max) (24,547.82 cm)
WEIGHT	36.5 pounds (16.556 kg)
RELIABILITY	>90% probability of 50,000 hours failure-free operation
COMPLIANCE	Designed and tested to MIL-STD-461D, MIL-STD-810F, MIL-HDBK-781D, MIL-STD-3009
OTHER FEATURES	Completely Sealed Unit, Stackable Benchtop/Portable

