



TACTICAL POWER SUPPLY



TPS 800

DESCRIPTION

The military-qualified 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-2953 C/U power supplies. The TPS provides up to 800 watts to power a 28 VDC (24–32 VDC) military electrical device from a 115/230 VAC source (auto switching) at 50, 60, or 400Hz single phase. The unit meets rigorous military environments in accordance with MIL-STD-810F and MIL-STD-461D. The TPS 800 (CME P/N 0011213-001) is in production and delivers superior performance, reliability, and user benefits.

APPLICATIONS

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

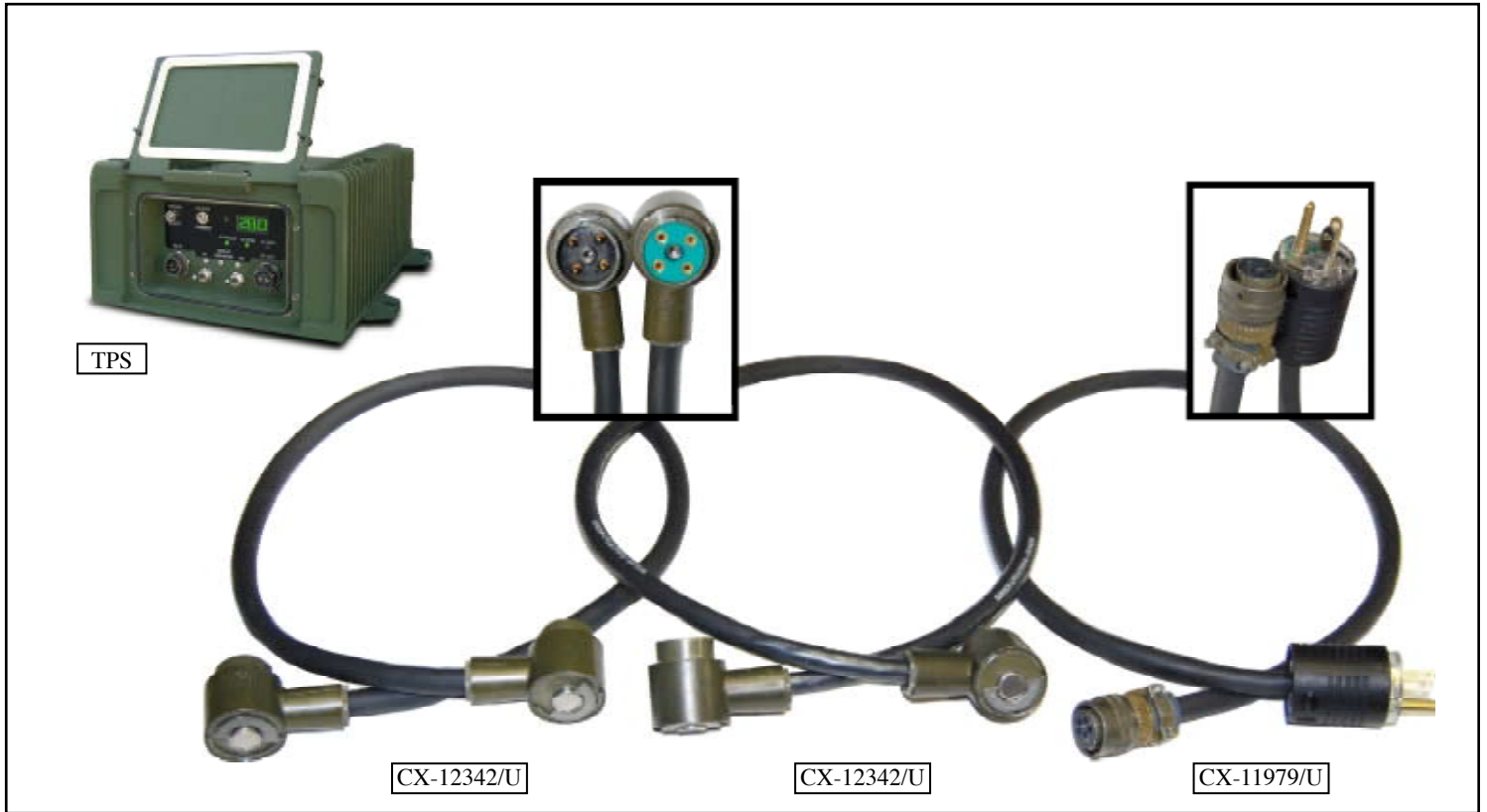
- Ground forces
- Aviation units
- Communication units
- Other C4ISR applications (e.g., LRAS3 referred to as AN/TAS-8(v)1 and (v)2)
- Benchtop power supply

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 reliability in combat theater



TACTICAL POWER SUPPLY CABLE ASSEMBLIES



DESCRIPTION

The standard set includes two DC Output Cables and one AC Input Cable. The cables are sold individually or as a packaged set and lengths can be customized upon request.

STANDARD PACKAGE:	
CX-11979/U	CX-12342/U
AC Input Cable	DC Output Cable
Quantity: 1	Quantity: 2

APPLICATIONS

Universally compatible with standard M55181 type connectors.

KEY FEATURES & BENEFITS

The cables are designed and tested in accordance to MIL-C-3855, except for immersion test.

SPECIFICATIONS

Length: 3.0 ft

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
- OUTPUT** 1 DC input connector on rear

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
- TEMPERATURE** One output connector available on front with remote sense
Two output connectors available on rear

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)
Width: 14.25 in (max)
Depth: 14.50 in (max)
Volume: 1498 in³ (max)
- WEIGHT** 36.5 pounds
- RELIABILITY** > 90% probability of 5,000 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
Bench top/Portable

