



800W AC-DC POWER SUPPLY



Ruggedized, Fanless AC-DC Power Supply

DESCRIPTION

Leveraging the best in commercially available technology and components, CME's ruggedized 800 Watt Benchtop AC-DC Power Supply is a single, environmentally sealed, modern, fanless design. The unit provides up to 800 watts to power 24 to 32 VDC electrical devices from a 115/230 VAC source (auto switching) at 50, 60, or 400 Hz single phase. The power supply comes standard with three cables (two DC, and one AC); and another variant comes with two cables (one DC, and one AC).

This bench-top power supply meets rigorous environments. This highly reliable, benchtop AC-DC power supply (CME P/N 0011213-001) is in production and delivers superior performance, ease of use, and user benefits. CME has manufactured more than 18,000 of these power supplies.

APPLICATIONS

The 800W power supply is ideal for providing quiet, reliable power in industrial or military applications for DC load needs.

- Bench-top power supply for 24 to 32 VDC electrical loads
- Rugged AC/DC Power Supply for isolated areas, field sites, and encampments or operation centers
- Quick setup, standalone applications
- Rackmount applications

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
- 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