



DC STANDBY POWER SYSTEM



DC Standby Power System
CME P/N 0014010-001

APPLICATIONS

CME's DC Standby Power System is the ideal power supply for DC-powered radio, computer and network equipment to support operations in isolated, austere environments. The advanced design provides a unique array of features, allowing it to fill multiple roles:

- It has customizable DC output voltages
- Run time of over 30 hours per charge dependent on load
- Multiple inputs choices; 85/265 VAC, 18 to 36 VDC, NATO slave, or solar source
- 8 DC outlets; 4 D-sub, 4 circular military.

Provides a backup power supply to support servers, switches, routers, and critical battlefield components like radios or sensors and is more efficient and reliable than UPS.

The system charges its own battery bank using one of the inputs listed above. The power pack uses proven Lithium Ion batteries to provide up to 30 hours of continuous off-line power.

This versatility allows organizations to save space and reduce inventory by stocking one SKU to fulfill all DC UPS, charging, and power supply needs.

DESCRIPTION

CME's DC Standby Power system for network equipment, communication systems, computers, and battery operated devices supports flexibility, commonality, and reliability for isolated field operations or locations, and military in austere environments. The power system is ideal for equipment power backup for mission critical loads. It is a compact, high reliability system.

System capabilities include:

- Accepts power from AC and/or DC sources
- Safely and accurately charges and discharges its battery bank
- Provides power to all internal loads
- Monitors the system
- Rack mountable with high-power density.

KEY FEATURES

The DC Standby Power system optimizes the control of charging and discharging operations via embedded power management. Features include:

- Automatic detection and selection of input power source
- Monitoring and controlling current for optimum charging of battery stack
- Automatically adjusts charging rate to supply all the power needed by the load
- Avoids over-current shut-downs caused by maximum loads.

The system status is displayed via seven red and green LEDs for:

- Power in use; AC, DC or Battery
- Battery charge level (3 levels)
- Over Temperature Alarm

The unit is pre-configured with minimum setup.

SPECIFICATIONS

INPUT:	AC voltage range: 85 to 265 VAC DC voltage range: 18 to 36 VDC
OUTPUT:	DC output voltage: 24V@16.7A, 15V@13A, 5V@10A, -12V@4.17A
POWER NEEDED:	1200W max with max load and fully discharged batteries
BATTERIES:	Eight BB-2590 lithium ion (Li-Ion)
BACKUP POWER:	Up to 30 hours @ 77°F (25°C)
TIME TO RECHARGE:	4 to 6 hours when outputs are not loaded
USER-REPLACEABLE BATTERIES:	Yes
BATTERY POWER NEEDED:	Internally provided and automatically adjusted
AVAILABLE LOAD POWER:	700 Watts maximum, independent of battery charge status
POWER FACTOR CORRECTION:	Yes (for AC input power)
EFFICIENCY:	75 percent minimum
FILTERS:	AC and DC EMI filtering
NUMBER OF OUTLETS:	4 Military and 4 D-Sub15
NUMBER OF LOADS:	8 loads
BATTERY RUN TIME	30 hours max at 77°F (25°C)
TEMPERATURE RANGE:	-4 to 158°F (-20 to 70°C)
PHYSICAL SIZE:	Fits in a 19-inch (48.26 cm) rack system, 5 inches (12.7 cm) high
WEIGHT:	65 pounds (29.48 kg)
APPLICATION ENVIRONMENT:	Splash-proof Table, shelf or 19-inch rack mounting

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