



I200 POWER DISTRIBUTION CENTER – 200 AMPS



I200 Power Distribution Center
200 AMPS

APPLICATIONS

CME's I200 intelligently monitors, balances and distributes power from generators to shelters, tents, tactical operation centers, base camps, field hospitals, and logistics operations. The I200 power distribution center significantly improves power distribution at the company through division and higher echelon units in the field.

The I200 can distribute power from a single 60 kW Tactical Quiet Generator (TQG) using two feeder cables or two 30 kW TQGs to provide automatic or manual backup capability. Other military or commercial three-phase or single-phase generators can be distributed through an I200.



DESCRIPTION

The I200 distribution center qualifies input power and improves availability of power by automatically balancing phases. Custom Manufacturing & Engineering™ (CME™) has developed an I200 product that is lighter, smaller, and more easily transported than the M200. CME's I200 has improved power distribution and management features and is safer for soldiers to operate. I200 distributes single- and three-phase power, while monitoring up to two power sources and all controlled circuits and provides total system feedback of the power network. The unit provides improved performance, power delivery, safety, and ease of use over any other commercial or military power distribution center.

Designed, developed, and tested through a Phase I, II, and III Army SBIR project, I200 has matured and includes significant capability improvement. CME's I200 has been participating in military user evaluations, and exercises.

KEY FEATURES & BENEFITS

- Improved power distribution and management system
- Automatic phase load balancing of single-phase loads across all phases
- Real-time monitoring of up to two power sources and all controlled circuits
- Monitors generator total power, total VA, voltage, current, and frequency
- Supports existing connectors, cabling, and lighting equipment
- Compatible with Tactical Quiet Generators
- All weather ruggedized design
- Lighter and smaller than M200 PDISE legacy unit
- Easy to transport or handle
- Fewer number and types of cables are required
- Automatically qualifies generator inputs
- User friendly; informs users of generator qualification issues
- Helps alleviate training deficiencies
- Safe paralleling and transfer of loads between generators
- Reduced operating costs and maintenance maximizing generator fuel efficiency

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SPECIFICATIONS

INPUT	120/208 VAC, 50/60 Hz Two 100 Amp three-phase inputs
OUTPUT	Two 100 Amp three-phase outputs Three 60 Amp three-phase outputs Three 60 Amp single-phase outputs Nine 20 Amp single-phase outputs
FINISH	CARC
ENVIRONMENTAL	Designed to MIL-STD-810 and MIL-STD-461
TEMPERATURE	-25°F (-32°C) to +120°F (49°C) operating -28°F (-33°C) to +160°F (71°C) storage
ALTITUDE	8,000 feet (2438.8 m)
BOX SIZE	35¼ in (8.92 m) H x 25¼ in (6.38 m) W x 16½ in (4.09 m)D
WEIGHT	125 pounds (56.70 kg)
CONTROLS AND DISPLAY	Front lighted LCD; MOP gear compatible; joystick and toggle switches
SAFETY	Operator help screens and guidance; alarm levels; warning messages; auto-shutdown
GENERATORS SUPPORTED	One 60 kW with two feeds Two 30 kW with one as backup

