



DQBPU 800 kW power unit

RELIABLE. SAFE. COMPLIANT.



Innovation. Service. Dependability.

Cummins has been delivering first-class power generation equipment for more than a century. Our legacy of partnering with the U.S government dates back to WWII when Allied forces relied upon our expertise and high-quality products to power their mobile operations.

Cummins' technical capability and demonstrated track record continues, meeting the demanding performance and logistical requirements of today's military applications – ensuring your power capabilities are Always On.

The model DQBPU product for BEAR (Basic Expeditionary Airfield Resources) joins our AMMPS (Advanced Medium Mobile Power Sources) product in supplying a significant amount of the Department of Defense's (DoD) mobile power requirements.

Model DQBPU features

Designed and tested for military applications, the model DQBPU uses military Power Command Control and offers significant operational advantages for all military services.

- 60/50 Hz, 2400/4160 / 2200/3800 volts, 3 phase, 4 wire
- 800 kW prime power trailer-mounted diesel-fueled generator
- JP-8 primary, DF1, 2, JP5 and Jet A
- Operating temperature range: -40°F to 160°F
- Excellent Power Quality Type II Utility (Class 2A) MIL-STD 1332B
- EMC radiated emission and susceptibility per MIL-STD 461F
- Sound-attenuated 84 dBA @ 7 meters
- Remote annunciator
- Paralleling ready (auto/manual)
- Operation altitude of 400 feet; above 400 feet with derate

Enclosure

- Aluminum: highly resistant to corrosion in common environments
- Access doors located for easy performance of scheduled maintenance
- Quick conversion from storage configuration to operating configuration
- Protection against severe environmental damage while in storage

Trailer

- Capable of both surface and air transport
- Type II, Group C design and mobility per SAE AS8090
- Inertia-actuated service brakes



The model DQBPU provides a unique combination of reliability, safety, regulatory compliance and performance

Switchgear

- Aluminum enclosure
- Fixed-mount circuit breaker (24VDC open/close, 120VAC motor charging)
- Surge capacitors and lightning arrestors
- All connections (power and discrete signals) made through multi-pin connectors

Control

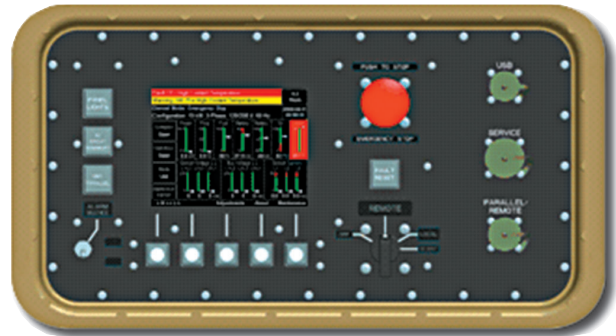
- Designed and tested for military applications military Power Command Control
- High-quality color VGA (640x480) display
 - Readable in sunlight
 - Ergonomic buttons and switches designed for operation with MOPP gear and arctic mittens
- Night-vision compatible with adjustable green backlighting
- Remote operation via USB/RS-485 converter
- Comprehensive diagnostics set
 - Fault and warning indications easily visible on both VGA display and fault annunciator panel capable of simultaneously illuminating 15 indicator lamps
- Fully integrated digital voltage regulation
 - Three-phase bus and generator voltage metering
 - Three-phase current metering
 - Integrated generator circuit-breaker control
 - Frequency selection with automatic voltage configuration
- Ruggedized MPCC designed to survive in extreme environments
 - Supports wide temperature range
 - Resistant to salt-fog, rain, ice, sand, dust and fungus

Higher reliability

- Mean time between failure: demonstrated 1,044 hours vs. 750-hour requirement at 90% one-sided confidence limit
- Extensive reliability testing: 18,225 cumulative hours

Less downtime for maintenance

- Mean time to repair (corrective maintenance): demonstrated 2.4 hours vs. 4-hour requirement
- Extended preventive maintenance intervals: 400 hours vs. 250-hour requirement



Ruggedized MPCC designed for extreme environments



Load-connect switchgear

Worldwide service and support

Cummins has the capability to support military products: in procurement, transportation, training, maintenance and support. Our ability to support your mission includes:

- Over 7,600 service locations around the globe
- Distributor-supported commissioning and maintenance services
- Critical parts inventory at distributor locations
- Detailed engineering documentation available for all products



The DQBPU mobile power unit is proven to deliver in the toughest conditions.

FOR MORE INFORMATION, CONTACT:

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