



**Power  
Generation**

# 800 kW Power Unit



# Reliable power generation for demanding military applications

For over 90 years, the Cummins Power Generation/Onan brand has stood for innovation, service and dependability. Our legacy of partnering with the U.S. government dates to World War II, when Allied forces relied on Onan-brand power generation equipment. Today, Cummins Power Generation continues to have the technical capability and demonstrated track record to meet the demanding performance and logistics requirements of military applications.

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 DoD's mobile power requirements. The Model DQBPU provides a unique combination of reliability, safety, regulatory compliance and performance.

## Meeting your specialized requirements

The Model DQBPU is engineered and built to meet exacting requirements specified by the U.S. Air Force. Cummins Power Generation won the contract to develop and produce the Air Force's next-generation BEAR power unit.

## 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 compatible, NSE granted
- Operating temperature range: - 25°F to 122°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)

## 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

## Switchgear

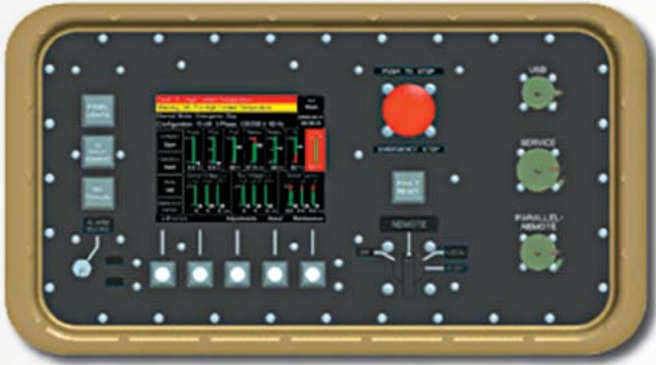
- Aluminum enclosure
- Fixed-mount circuit breaker (24VDC open/close, 120VAC motor charging)
- Surge capacitors and lightning arrestors
- All connections (power and discrete signals) made through multi-pin connectors



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

## 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



- 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
  - Offers resistance to salt-fog, rain, ice, sand, dust and fungus

## Worldwide service and support

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

- Over 4,500 service locations around the globe
- Distributor-supported commissioning and maintenance services
- Critical parts inventory at distributor locations
- Detailed engineering documentation available for all products

## Reducing program risk

Cummins Power Generation has a decades-long track record of success with military power applications, and the resources and expertise to meet your rigorous application demands today.

For more information, contact:

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**Our energy working for you.™**



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## The Power Projects Group

The Power Projects Group of Cummins Power Generation can handle your most complex requirements, from initial site planning through operation and maintenance. We are a total solutions provider, with a single point of contact for seamless global support.

The Power Projects Group draws on Cummins people with specialized expertise to provide an elite team that becomes a trusted, responsive partner for our customers. We work with industry-specific consulting firms and local distributors in over 190 countries as needed. Whether it's a unique design, a custom application, centralized support or a turnkey operation, the Power Projects Group can deliver it with the reliability people have come to expect from Cummins Power Generation.

Our capabilities include civil engineering, site surveys, system design and engineering, project management, construction, installation and commissioning, documentation and training, operation and maintenance, global parts and service, financing options and rental power.



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