



POWER MODULE PRIME 1825 kW CONTINUOUS 1640 kW 50/60 Hz Switchable

Frequency (Hz)	Voltage (V)	Prime kW (kVA)	Continuous kW (kVA)
60	480/277	1825 (2281)	1640 (2050)
50	400/240	1600 (2000)	1400 (1750)

FEATURES

SINGLE SOURCE SUPPLIER

- Generator set manufactured in ISO 9001:2000 compliant facility
- Package factory designed and production tested
- Generator set and components meet or exceed the following specifications: AS1359, AS2789, BS4999, DIN6271, DIN6280, EGSA101P, JEM1359, IEC 34/1, ISO3046/1, ISO8528, NEMA MG1-22

WORLDWIDE PRODUCT SUPPORT

- Cat® dealers provide extensive post sale support including maintenance and repair agreements
- Supported 100% by your Cat dealer with warranty on parts and labor

RELIABLE, FUEL EFFICIENT DIESEL ENGINE

- The compact, four-stroke-cycle Cat 3516B turbocharged-aftercooled diesel engine combines durability while providing dependability and economy; fuel system operates on a variety of fuels

CAT GENERATOR

- Cat SR4B 826 frame generator designed to match the performance and output characteristics of the Cat diesel engine
- Double bearing, wye-connected, static regulated, brushless, permanent magnet excited

ENVIRONMENTALLY FRIENDLY

- 110% spill containment of onboard engine fluids
- Positive crankcase fumes ventilation

DEIF CONTROLLER

CAT COOLING SYSTEM

- Horizontally mounted radiator with vertical discharge
- Sized compatible to rating with energy efficient fan and variable frequency fan drive
- Provides 43C (110F) ambient capability
- Variable frequency drive fan controls improve partial load fuel consumption

ON-PACKAGE PARALLELING CONTROL SYSTEM

- Provides auto paralleling using package mounted controls
- EMCP 4.2 offers engine and generator monitoring and protection
- AGC-4 provides paralleling, load sharing, VFD control, and primary generator protection

CAT DIGITAL VOLTAGE REGULATOR (Cat DVR)

- Three-phase sensing and adjustable volts-per-hertz regulation
- Provides precise control, excellent block loading, and constant voltage in the normal operating range

SOUND ATTENUATED CONTAINER

- Provides 9-high stack CSC rated enclosure for ease of transportation and protection
- Meets 77 dB(A) at 15 meters or below per SAE J1074 measurement procedure at prime rating

XQC1600 Power Module



No Image Available

IPP Rated 1515 KW
IPP Overload 1590 KW

POWER MODULE

50/60Hz Switchable Rating

Frequency	Voltage	IPP Rated kW (kVA)	IPP Overload kW (kVA)
50 Hz	400V	1515 (1893)	1590 (1987)
60 Hz	480V	1705 (2131)	1790 (2237)

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RELIABLE, FUEL EFFICIENT DIESEL ENGINE

- The compact, four-cycle Cat 3516C-HD turbocharged-aftercooled (SCAC) diesel engine provides durability and dependability
- Best-in-class fuel economy
- Fuel system operates on a variety of fuels
- 50/60 Hz switchable with no software re-flashing nor iron changes required
- Electric fuel priming, individual cylinder temperature monitoring, and extended filter change intervals

CAT SR5 SERIES GENERATOR

- 1844-frame generator designed to match the performance and output of Cat diesel engines
- Double bearing, wye-connected, brushless, permanent magnet excited, form wound design
- Coastal insulation protection and anti-condensation space heaters
- Generator inlet air filters
- Stator winding and bearing temperature monitoring

REDUCED ENVIRONMENTAL IMPACT

- 110% spill containment of onboard engine fluids
- Positive crankcase fumes ventilation
- Low BSFC and Low Emissions* ratings, switchable via Cat Electronic Technician (ET)
- * Does not conform to EPA/EU emissions standards

SOUND-ATTENUATED ENCLOSURE

- Provides 9-high stackable, CSC enclosure for ease of transportation and protection
- Double personnel doors on both sides of the engine for service access, plus 1 additional personnel door for general access
- Double container doors on each end
- Externally-accessible controls behind hinged door
- Service access doors for engine air filters
- Foldable, stowable awnings on engine compartment air inlets
- Hinged, sound-attenuated radiator louvers for ease of cleaning and maintenance
- Externally-accessible, 100kA IC, 3-pole breaker (Optional 4-pole breaker)

CAT COOLING SYSTEM

- Vertical, non-stacked radiator cores with dimpled fins to minimize clogging
- Provides 49C (120F) ambient compatibility at 750m (2,460 ft) above sea level
- Energy efficient fans (4) and VFD fan drive

ON-PACKAGE PARALLELING CONTROLS

- Auto paralleling using package mounted controls
- EMCP 4.3 offers engine and generator monitoring and protection
- AGC-4 provides paralleling, load sharing, VFD control, and primary generator protection

OTHER FEATURES

- 946-L (250gal) fuel tank with solenoid fill valve
- 113-L (30gal) engine lube oil make-up system
- Oil evacuation system for faster, cleaner oil changes
- 1.8-m (6ft) stainless steel exhaust stack; stows inside container for transport
- Triple, primary fuel filters with water separators, service valves, and differential pressure monitoring