

Wheeler Power Systems



Your trusted Utah Caterpillar dealer and partner for over 75 years. Providing industry leading power systems equipment and premier support from the name you know and trust. Regardless of your application, you can depend on Wheeler to provide the highest quality power generation solutions with world class support for the life of your power system.

Click on the links below for more information.

[Power Systems Equipment Sales Line Card](#)

[Power Systems Equipment Rental Line Card](#)

[Energy Efficiency Services](#)

[Product Support and Maintenance Services](#)

Wheeler Power Systems is a State of Utah cooperative contract vendor for generator maintenance & repair.

Contract #: PD2172

Vendor #: 72721H

Commodity Code #: 26100, 26110, 93639

POWER SYSTEMS LINE CARD

SALES DEPARTMENT

Wheeler
Power Systems



DIESEL STANDBY PACKAGE GENERATOR SETS

- 40kW – 4,000kW
- Up to 15,000 Volt, 50 & 60 Hertz, 1 & 3 Phase

NATURAL GAS, BIO GAS & LOW ENERGY GAS

- 85kW – 10MW
- Up to 15,000 Volt, 50 & 60 Hertz, 1 & 3 Phase



AUTOMATIC & MANUAL TRANSFER SWITCHES

- 100 – 400 Amp 2, 3 & 4 Pole
- 600 – 4,000 Amp 3 & 4 Pole
- 120kV – 15kV Voltage, 50 & 60 Hertz
- 30 Cycle Transition
- Bypass Isolation & Service Rated Entrance



SWITCHGEAR

- Paralleling
- Distribution Combination: Paralleling – Distribution –ATS
- 120 – 15,000 Volts, 50 & 60 Hertz



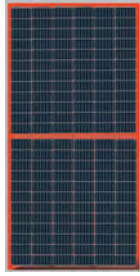
UNINTERRUPTABLE POWER SUPPLIES (UPS) AND ACCESSORIES

- ABB Uninterruptible Power Supplies (UPS) from 40-1,600 kW with Bypass Gear, Parallel Gear and Batteries
- ABB “Cyberex” Static Transfer Switch (STS) from 200-2000 A
- ABB Power Distribution Units (PDU's) 50-800 kVA



LOAD BANKS

- Resistive 50kVA – 3,000kVA
- Resistive / Reactive 500 – 6,250kVA
- Indoor and Outdoor
- 120/208, 277/480, 15kVA Volts, 50 & 60 Hertz, 1 & 3 Phase
- Freestanding or Radiator Mounted



CAT® SOLAR PHOTOVOLTAIC MODULE

- 370 Watt High Efficiency Low LID Mono PERC Technology compatible w/1500V plant architectures
- 425 Watt High Efficiency Low LID Bifacial PERC with Half-Cut Technology compatible w/ 1500V plant architectures



CAT® ENERGY STORAGE SYSTEM (ESS)

- Grid Stabilizing or Energy Time-Shifting Packages
- Factory assembled, tested and UL 1741 certified
- Easy plug and play and parallel ready functionality
- Lithium-ion batteries and optional ultra-capacitors
- Cat BDP 250 bi-directional inverters Color HMI touchscreen and remote communications via Modbus TCP
- Built-in HVAC, AC lighting & convenience receptacles and fire suppression
- 60Hz 380-480 VAC or 50Hz 380/400/415 VAC



CAT® MICROGRID MASTER CONTROLLER (MMC)

- Provides monitoring and controls dispatch of microgrid assets to provide optimized microgrid performance based on user-defined criteria
- System visualization and user interface for manual or automatic control of the microgrid
- Modbus TCP data link connection for customer monitoring and basic control of the complete microgrid.

CONTACT OUR TEAM FOR DETAILS:

MEGHAN DUTTON – General Manager
801-657-1221, mdutton@wheelercat.com

KEN CLEMENT – EPG Sales - Building Services & Emergency Standby
801-209-0535, kclement@wheelercat.com

SHANE MINOR – Utility, Govt., Intl Sales
801-201-0929, sminor@wheelercat.com

STEVE LOSEE – Renewable Energy & Industrial / Rental Sales
801-918-4288, slosee@wheelercat.com

POWER SYSTEMS LINE CARD

RENTAL DEPARTMENT

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RENTAL GENERATORS

20kW – 350kW

120/208 or 277/480 Volt, 60 Hertz, 3 Phase

400kW – 2,000kW

277/480 Volt, 60 Hertz, 3 Phase

XQ1475G: 1475kW/1844kVA Natural Gas Generator



RENTAL TRANSFORMERS

2,500kVA – 6,000kVA

2,400 Delta x 4,160/2,400 x 7,200 Delta x 12,470Y/7,200 – 480Y/277 Volt

With Taps in 8,320 - 7,970 - 7,620 - 7,200 - 6,928 Delta Volts

14,400Y - 13,800Y - 13,200Y - 12,470Y - 12,000Y Volts

2,500kVA Padmount

12,470 Delta - 277/480Y Volts, 60 Hertz, 3 Phase w/ 2–2.5% Taps



RENTAL ELECTRICAL DISTRIBUTION

Cable & Pigtails: 4/0 with Camloc Ends

Power Distribution Panels: 100 Amp, 200 Amp Quad Boxes - 1,000 Amp Breaker

1,200 Amp Breaker - 1,200 Amp I-Line

800 Amp I-Line Panels

Spider Boxes - 50 Amp

Cable Ramps

Quadbox Stringers



RENTAL LOADBANKS (RESISTIVE & REACTIVE)

3,300kVA Resistive / Reactive

6,250kVA Resistive / Reactive

100kW @ 240/480 Suitcase Style Loadbank



RENTAL COMPRESSED AIR

Low Pressure: 100PSI – 125PSI, 200PSI

High Pressure: 300PSI, 365PSI, 510PSI

Electric Oil-Free: 100PSI – 125PSI

Desiccant Dryer 1,550CFM Heatless Regeneration Twin Tower

Air Hose 2" & 3" High Pressure

CONTACT OUR TEAM FOR DETAILS:

MEGHAN DUTTON – General Manager
801-657-1221, mdutton@wheelercat.com

JAY BROWN – Generators & Compressed Air Sales / Rentals
801-209-4964, jdbrown@wheelercat.com

TYSON BROWN – Rental Coordinator
801-577-5672, tjbrown@wheelercat.com

STEVE LOSEE – Renewable Energy & Industrial / Rental Sales
801-918-4288, slosee@wheelercat.com

ENERGY EFFICIENCY SOLUTIONS

Wheeler Power Systems is your trusted partner to deliver effective solutions for efficiency and renewable energy projects. Now is the time to put your energy future in your own hands.



Power Systems Solutions:

- Energy Efficiency
- Renewables
- Microgrids
- Storage and Resiliency
- Co-generation, CHP, and Prime Power

LET'S DO THE WORK.™



Energy Efficiency:

Do efficiency investments factor into your development or management strategy? The route to a sustainable energy future starts with efficiency. Right size then de-carbonize. We provide the expertise and solutions you need to help navigate complex energy efficiency funding and project execution challenges.

Needs assessments, audits, and energy modeling are just a few tools to help guide your investment in energy efficiency. Whether you are starting from scratch, need a turnkey solution or just need support managing your ongoing projects, we deliver the expertise you need to succeed.

Renewable Energy:

The economics for renewable energy solutions are changing in your favor. Are you ready to invest in on-site power generation or storage? We offer proven technology solutions for PV, microgrids, and on-site energy storage. We are ready to help put control of your energy future in your hands. Whether small or large, simple or complex, Wheeler Power Systems partners with customers to create tailored solutions for their resiliency and power systems demands.

Product Support Services:

Wheeler Power Systems proudly stands behind every product and service we offer. For almost 70 years our family of companies have provided equipment solutions around the world. With a national network of dealers and installers, unmatched global parts, service, and warranty support you know that we will be here as a trusted partner to provide you with the service you need when you need it.

» Contact Steve Thomas, Energy Efficiency Segment Manager
stthomas@wheelercat.com | 801-978-1556

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PREVENTATIVE MAINTENANCE SERVICES

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ELECTRIC POWER GENERATOR SET, LEVEL I SERVICE

Before starting engine:

- Lubricating oil and engine coolant level check
- Block heater testing
- Fuel level check
- Battery electrolyte level check
- Battery terminal corrosion and tightness check
- Battery Test

With engine running:

- Check oil and fuel pressure
- Check water temperature
- Check generator voltage and frequency
- Check for leaks or unusual noises
- Test engine alarms and safeties

After stopping engine:

- Check & verify all switches are proper for automatic start
- Record battery charger volts, check for proper operation
- Inspect generator for cleanliness

Reporting:

- Provide detailed service report for each visit
- Advise customer of any/all situations or potential problems which will require further attention
- Advise when main fuel tank is below 3/4 full

Emergency service:

- Provide directory of all emergency phone numbers
- Provide 24-hour emergency repair coverage

ELECTRIC POWER GENERATOR SET, LEVEL II SERVICE

- All Level I services
- Oil analysis
- Drain crankcase oil and replace with new oil
- Remove and replace oil and fuel filters
- Inspect air filter(s) and replace as required
- Legally and professionally dispose of waste oil & filters
- Lubricate fan drive with Cat® bearing lubricant
- Lubricate mechanical governor linkage (if applicable)
- Replace inlet filter for day tank (excluding fuel cleaners)
- Inspect voltage regulator for loose wires and proper adjustments

ELECTRIC POWER GENERATOR SET, LEVEL III SERVICE

- All Level I & II services
- Cooling system flush and coolant refill
- Battery replacement services



SERVICE CAPABILITIES

Wheeler Power Systems has more than a dozen specially trained service professionals available to serve you at your facility through ten locations in Utah and Nevada.

MAINTENANCE & CUSTOMER SERVICE AGREEMENTS

- Customized to meet the needs of your complete power system
- Cat generator sets, controls and ancillary equipment
- Maintenance on other manufacturers' equipment
- Preventative Maintenance services
- Warranty required services
- Extended Service Coverage programs
- Engine Health Monitoring

RENTAL SERVICES

- Generators and compressors
- Emergency services
- Long-term rentals
- Connection boxes and cables
- Transformers up to 15kV
- Circuit breakers up to 15kV

ADDITIONAL SERVICES

- Generator repair; high, medium and low voltage
- Controls repair, replacement and upgrade
- Load bank test, resistive and/or reactive, up to 15kV
- Vibration analysis
- Insulation resistance testing
- Building load testing via automatic transfer switch
- Emergency disaster plan assistance
- Oil, coolant and fuel lab analysis
- Fuel polishing
- Infrared thermography
- Exhaust emission systems upgrades including Diesel Particulate Filters, Oxidation Catalysts, Selective Catalytic Reduction Systems and Controls

WHEELER POWER SYSTEMS

EXTENDED SERVICE COVERAGE

Wheeler
Power Systems



EXTENDED SERVICE COVERAGE BENEFITS

- Protection against unexpected repair bills
- 100% parts and labor reimbursement for covered components, less any applicable deductible
- Variety of coverage terms
- Simplicity. No hidden fees or invoices/payments
- Available for new Cat® generators, switchgear, automatic transfer switches and renewable energy systems

EXTENDED SERVICE COVERAGE FOR NEW EQUIPMENT

» SILVER:

Basic coverage with more than sixty covered genuine Cat parts, available up to 10 years from installation on:

- Cooling system
- Air induction
- Basic exhaust systems, including oxidation catalysts
- Diesel Particulate Filters and Selective Catalytic Reduction Systems are not covered (additional coverage plan)
- Fuel system
- Cylinder heads
- Lubrication system
- Electronic system
- Front and rear covers
- Short block

» GOLD:

- Silver coverage plus turbochargers, fuel nozzles and injectors and water pump coverage

» PLATINUM:

- Gold coverage plus all Cat parts shipped from factory excluding consumable items (belts, filters, hoses, fluids, etc.)

» PLATINUM PLUS:

- Rental allowance is available for standby rated units if generator is down for more than 48 hours for a covered failure and coverage is requested during the standard warranty or Extended Service Coverage period.

SALT LAKE CITY

CORPORATE HEADQUARTERS

4901 West 2100 South
Salt Lake City UT 84120
Main Phone: 801-974-0511

SALINA

1345 South State St.
Salina, UT 84654
Main Phone: 435-529-7423

OGDEN

2366 South 1900 West
Ogden, UT 84401
Main Phone: 801-732-9100

LOGAN

95 North 1000 West
Logan, UT 84321
Main Phone: 435-753-5505

LINDON

239 North 1800 W.
Lindon, UT 84042
Main Phone: 801-796-8333

HURRICANE

5300 West Wheeler Way
Hurricane, UT 84737
Main Phone: 435-634-9904

HUNTINGTON

765 North 400 East
Huntington, UT 84528
Main Phone: 435-687-1200

CEDAR CITY

451 North Lund Hwy
Cedar City, Utah 84720
Main Phone: 435-586-6323

VERNAL

1345 South 1500 East
Vernal, UT 84078
Main Phone: 435-789-0635

ELY

1500 Avenue D
Ely, NV 89301
Main Phone: 775-289-2466

POWER SYSTEMS EMERGENCY SERVICE HOTLINE

Salt Lake City Corporate Headquarters: 801-978-1581

SANN CALL – Product Support Service Rep

801-910-5545, scall@wheelercat.com

RANDY FORMAN – Product Support Service Rep

385-246-7950, rpforman@wheelercat.com

JEFF JENSEN – Product Support Inside Sales Rep

801-448-1396, jejensen@wheelercat.com