



**Power
Generation**

20-100kW Gaseous Generators

Standby Generators for Industrial
and Commercial Applications



Reliable power for an unreliable world.™

Our energy working for you.™

The Power of One™

The Power of One has two dimensions. First, it means a single manufacturer of power generation products. And second, it means a single source for a complete set of required services. These two dimensions combine to provide a single source for complete power solutions.

Total solutions provider

Cummins Power Generation is a world leader in the design and manufacture of pre-integrated generator sets, ranging from 2 kW to 3.5 MW.

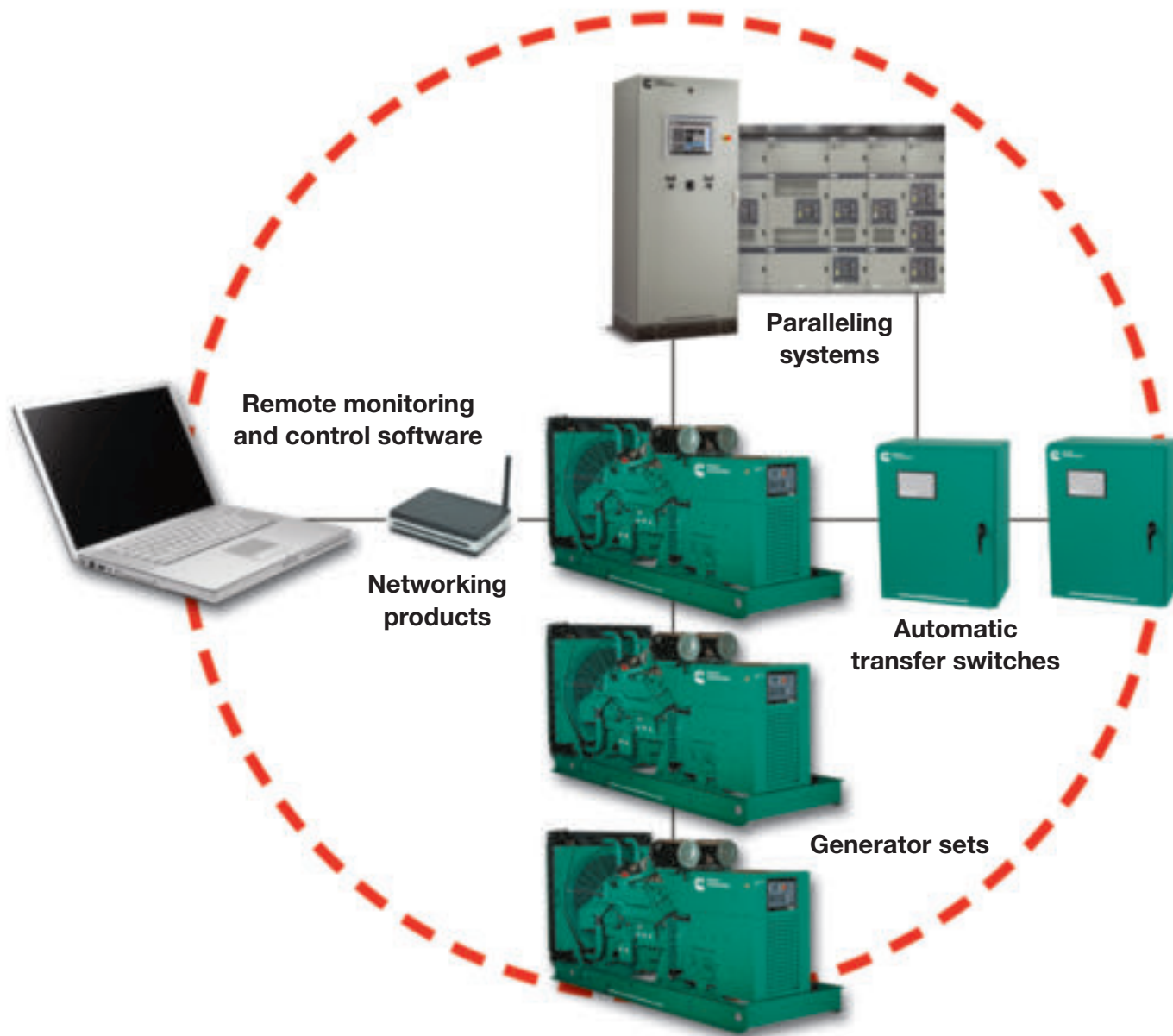
All major components — engine, alternator, transfer switches and control systems — are designed and manufactured by Cummins.

Because they are designed by one manufacturer, all of the elements of our power generation systems work in harmony from the start. This integral approach — that we call the Power of One — gives you the peace of mind that comes from excellent customer support and reliable, trouble-free operation.

Our support capabilities

The cornerstone of our Cummins Power Generation heritage is the ever-evolving innovation required to provide exceptional products. In addition to innovative products we also support our customers with:

- System design and application engineering
- Power Suite™ 5.0 tool for sizing and applying power generation equipment
- Project management
- Product customization
- Total solution delivery
- Factory-trained, certified and highly experienced technicians
- Planned maintenance availability (PMA)
- Global distribution network with local support
- Parts availability
- 24/7 emergency response system
- Remote and monitoring control



What makes us different?

Cummins Power Generation is about more than innovative technologies meeting your needs. The key difference is our people, who live by a simple set of rules we call “The Three Rs.”

RELIABILITY

When you need real power you can depend on us to deliver unrivaled reliability. We do what we say we will, and more. We keep our promises.

RELATIONSHIPS

At Cummins you are in touch with real people you can trust and rely on. Wherever and whenever you need us, we’ll be there for you.

RESPONSIVENESS

We strive to provide same-day answers, turnkey solutions, quick delivery, split-second start-up and a phone that is answered 24 hours a day, seven days a week.

STANDBY GENERATOR SYSTEMS

20–100kW

Cummins 20–100kW generator systems are the industry benchmark for quality, reliability and performance. Continued innovation and time-tested engineering quality means these systems provide the power your industrial and commercial application needs when you need it, every time.



QSJ5.9G SERIES

Three circuit breaker design with optional 100% rated LSI breakers

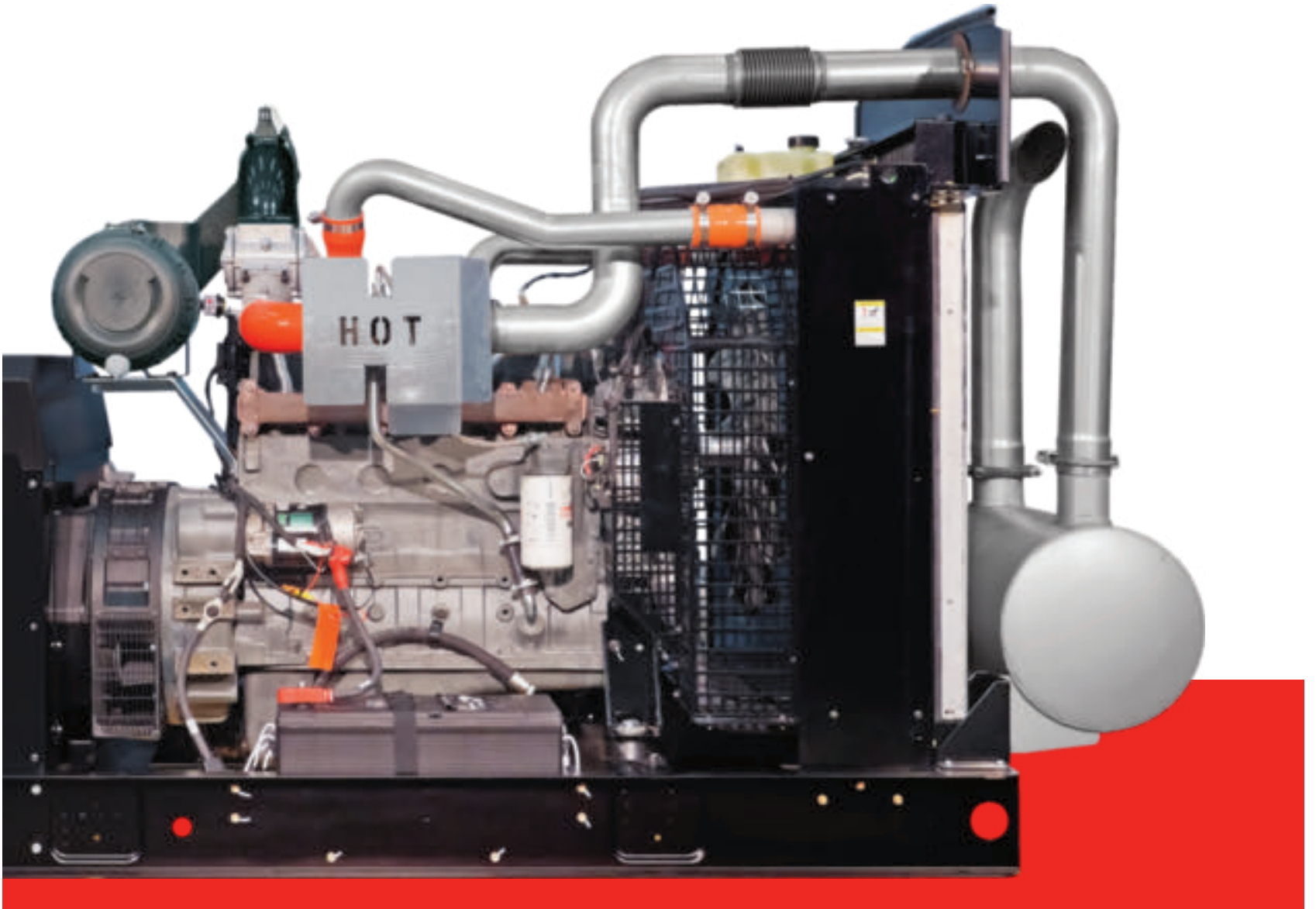
- New three circuit breaker design means you can use one breaker for critical applications, one for non-critical applications and one for load banking
- Optional 100% rated LSI circuit breakers help reduce total project cost by fully utilizing the breaker capacity, reducing size of the wires, and achieving selective coordination much easier than thermo-magnetic breakers

Cummins QSJ5.9G engine

- Legendary 5.9L Cummins engine
- Designed and engineered for standby market

Reliable engine

- Legendary Cummins engine for reliable power
- Four-cycle spark-ignited for improved power
- Closed-loop electronic fuel system for improved performance
- Fully supported by Cummins distribution network



Rugged Cummins alternator

- Brushless alternator for improved power quality and reduced maintenance options
- Class H insulation rated with 120° or 105° Celsius temperature rises that meet or exceed UL requirements
- Alternators capable of 105° C temperature rise are typically larger, which means they not only meet UL requirements, but also run cooler for a longer service life and provide better motor starting performance
- Heavy-duty industrial design for robust performance
- Single-phase and three-phase options
- Anti-condensation heater for high-humidity regions

Easy fuel switchover

- Single fuel runs on either natural gas or propane
- Single fuel can be switched on the fly with only software change through control panel
- Optional dual fuel auto-changeover for critical applications where secondary fuel is required



45–100 kW with Cummins QSJ5.9G Engine



Feature-rich control

- User-friendly PowerCommand® 1.1 control with 128 x 64 backlit LED display for improved user experience
- Current and power metering for load analysis
- Exercise function for improved dependability
- Electronic overcurrent protection for improved reliability
- Auto Mains Failure (AMF) for simpler installation
- Network communication interfaces for integration flexibility



Advanced all-aluminum enclosures

- Advanced all-aluminum sound attenuation design for super-quiet operation
- Designed in our industry-leading acoustical testing center
- Super-durable powder coat for corrosion protection
- Tested with UL2200 water ingress test to ensure the generators performance in wet environments
- 180-mph wind rating, ideal for coastal applications or other areas where severe weather is a factor
- Options for weather, sound level 1 or upgrade to a level 2 sound attenuation package for added performance
- Complete side-access panels and key maintenance items designed for easy accessibility and maintenance

ADVANCED FEATURES

Besides reliability and low noise that ensures a quiet, neighbor-friendly experience, our advanced systems also feature:



Ease of installation and servicing



Flexibility to run on either natural gas or propane



Stable power output that protects your sensitive electronics



Convenient remote monitoring from anywhere you have an Internet connection



The best warranty in the industry



20–60 kW with Cummins QSJ2.4G Engine

Easy remote monitoring

- PowerCommand® 500/550 with user-friendly, icon-based graphical interface
- Network communication interfaces for integration flexibility
- Remote monitoring and control of generator sets, transfer switches and expandable I/O modules
- Remote monitoring, diagnostics and troubleshooting, and email or text notifications
- Remotely monitor up to 12 devices including the generator, transfer switch and other devices
- Store and view data and event logs



Smooth operation in extreme conditions

- Entire genset as a system performs at ambient temperatures up to 50 °C or 120 °F even with the enclosure on
- Optional cold weather packages for temperatures between 0 and 40 °F or an extreme cold weather package for conditions below 0 °F

Certification and compliance

- CSA B149 compliance
- EPA emissions, UL2200, CSA22.2, IBC Seismic 2012, OSHPD

Cummins QSJ2.4G Engine Platform

Model	kW	RPM	dB(A)*	Ph	Voltage	Amps	Length x Width x Height** mm (in)	Weight*** kg (lb)
C20 N6	20	1800	66	1	120/240	83.3	1829 (72) x 864 (34) x 1156 (45.5)	485 (1070)
				3	120/208	69.4		
				3	120/240	60.1		
				3	277/480	30.1		
				3	347/600	24.1		
C25 N6	25	1800	67	1	120/240	104.2	1829 (72) x 864 (34) x 1156 (45.5)	503 (1109)
				3	120/208	86.7		
				3	120/240	75.2		
				3	277/480	37.6		
				3	347/600	30.1		
C30 N6	30	1800	62	1	120/240	125.0	2388 (94) x 864 (34) x 1156 (45.5)	558 (1231)
				3	120/208	104.1		
				3	120/240	90.2		
				3	277/480	45.1		
				3	347/600	36.1		
C36 N6	36	1800	65	1	120/240	150.0	2388 (94) x 864 (34) x 1156 (45.5)	587 (1294)
				3	120/208	124.9		
				3	120/240	108.2		
				3	277/480	54.1		
				3	347/600	43.3		
C40 N6	40	1800	65	1	120/240	166.7	2388 (94) x 864 (34) x 1156 (45.5)	615 (1356)
				3	120/208	138.8		
				3	120/240	120.3		
				3	277/480	60.1		
				3	347/600	48.1		
C30 N6H	30	3600	73	1	120/240	125.0	1829 (72) x 864 (34) x 1156 (45.5)	500 (1103)
				3	120/208	104.1		
				3	120/240	90.2		
				3	277/480	45.1		
				3	347/600	36.1		
C36 N6H	36	3600	73	1	120/240	150.0	2388 (94) x 864 (34) x 1156 (45.5)	546 (1203)
				3	120/208	124.9		
				3	120/240	108.2		
				3	277/480	54.1		
				3	347/600	43.3		
C40 N6H	40	3600	72	1	120/240	166.7	2388 (94) x 864 (34) x 1156 (45.5)	567 (1249)
				3	120/208	138.8		
				3	120/240	120.3		
				3	277/480	60.1		
				3	347/600	48.1		
C45 N6H	45	3600	72	1	120/240	187.5	2388 (94) x 864 (34) x 1156 (45.5)	635 (1399)
				3	120/208	156.1		
				3	120/240	135.3		
				3	277/480	67.6		
				3	347/600	54.1		
C50 N6H	50	3600	72	1	120/240	208.3	2388 (94) x 864 (34) x 1156 (45.5)	635 (1399)
				3	120/208	173.4		
				3	120/240	150.3		
				3	277/480	75.2		
				3	347/600	60.1		
C60 N6H	60	3600	73	1	120/240	250.0	2388 (94) x 864 (34) x 1156 (45.5)	648 (1429)
				3	120/208	208.1		
				3	120/240	180.4		
				3	277/480	90.2		
				3	347/600	72.2		

Cummins QSJ5.9G Engine Platform

Model	kW	RPM	dB(A)*	Ph	Voltage	Amps	Length x Width x Height** mm (in)	Weight*** kg (lb)
C45 N6	45	1800	69	1	120/240	187.5	3023 (119) x 1016 (40) x 1473 (58)	989 (2180)
				3	120/208	156.1		
				3	120/240	135.3		
				3	277/480	67.7		
				3	347/600	54.1		
				3	127/220	147.6		
C50 N6	50	1800	69	1	120/240	208.3	3023 (119) x 1016 (40) x 1473 (58)	989 (2180)
				3	120/208	173.5		
				3	120/240	150.4		
				3	277/480	75.2		
				3	347/600	60.1		
				3	127/220	164.0		
C60 N6	60	1800	70	1	120/240	250.0	3023 (119) x 1016 (40) x 1473 (58)	1103 (2431)
				3	120/208	208.2		
				3	120/240	180.4		
				3	277/480	90.2		
				3	347/600	72.2		
				3	127/220	196.8		
C70 N6	70	1800	70	1	120/240	291.7	3023 (119) x 1016 (40) x 1473 (58)	1111 (2449)
				3	120/208	242.9		
				3	120/240	210.5		
				3	277/480	105.2		
				3	347/600	84.2		
				3	127/220	229.6		
C80 N6	80	1800	71	1	120/240	333.3	3023 (119) x 1016 (40) x 1473 (58)	1173 (2587)
				3	120/208	277.6		
				3	120/240	240.5		
				3	277/480	120.3		
				3	347/600	96.2		
				3	127/220	262.4		
C100 N6	100	1800	71	1	120/240	416.7	3023 (119) x 1016 (40) x 1473 (58)	1233 (2719)
				3	120/208	347.0		
				3	120/240	300.7		
				3	277/480	150.4		
				3	347/600	120.3		
				3	127/220	329.0		

* Sound attenuated enclosure level 2.

** Dimensions vary by enclosure level. Dimensions listed are for sound attenuated enclosure level 1.

*** Weights above are average and based on wet weight. Actual weight varies with product configuration.

Options

Fuel system

- Single fuel option — natural gas or propane vapor, field selectable
- Dual fuel option — natural gas and propane vapor auto changeover

Engine

- Standard or heavy duty air cleaner option
- Cold and extreme cold engine coolant heater options

Alternator

- 120 °C and 105 °C temperature rise alternator options, EBS/PMG, alternator heater, full single phase reconnectable

Control

- AC output analog meters, stop switch — emergency, auxiliary output relays, remote control displays

Electrical

- One, two or three circuit breaker configurations, 80% or 100% rated circuit breaker, battery charger

Enclosure

- Aluminum weather protective, sound level 1 or level 2 enclosure with muffler installed inside, sandstone or green color

Cooling system

- Shutdown/warning — low coolant level
- High ambient system options available

Exhaust system

- Exhaust connector NPT, exhaust muffler mounted

Generator set application

- Base barrier, battery rack, radiator outlet duct adapter

Warranty

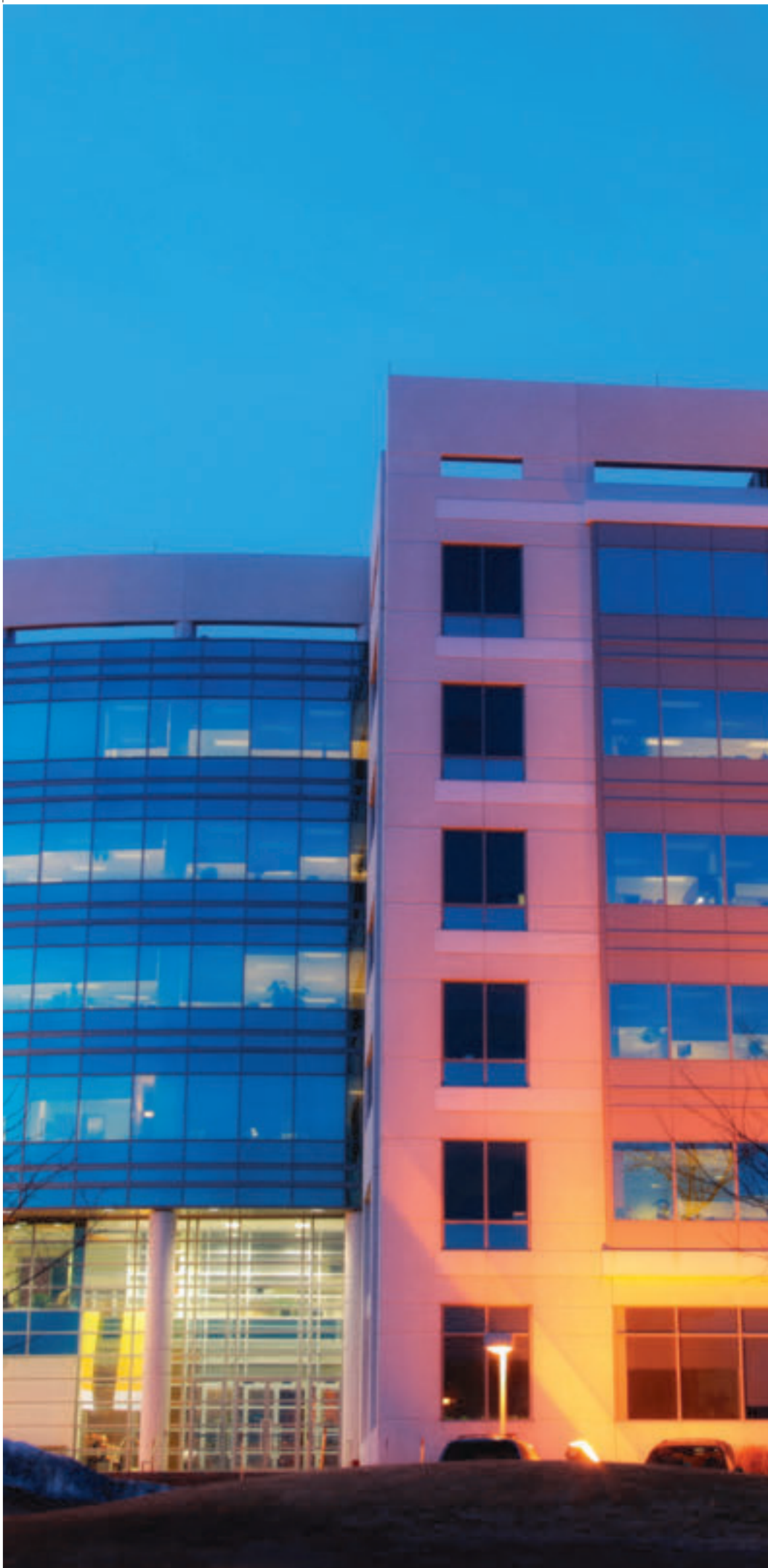
- Base Warranty — 2 year / 400 hours, standby, 3 and 5 year standby warranty options

Certain options may not be available for all genset models. Please refer to product spec sheets or consult Cummins Power Generation sales representatives for details.



Accessories

- Coolant heaters
- Battery rack, standard/larger battery
- Battery heater kit
- Engine oil heater
- Remote control displays
- Auxiliary output relays (2)
- Auxiliary configurable signal inputs (8) and relay outputs (8)
- Annunciator — RS485
- Remote monitoring device — PowerCommand 500/550
- Battery charger — stand-alone, 12V
- Circuit breakers
- Enclosure Sound Level 1 to Sound Level 2 upgrade kit
- Base barrier — elevated generator set
- Mufflers — industrial, residential or critical
- Alternator EBS/PMG
- Alternator heater



Get our energy working for you.

Cummins standby generators will keep your business operating when the power grid isn't — see your Cummins dealer today, call 763-574-5000 or visit power.cummins.com for more information and to get started.



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