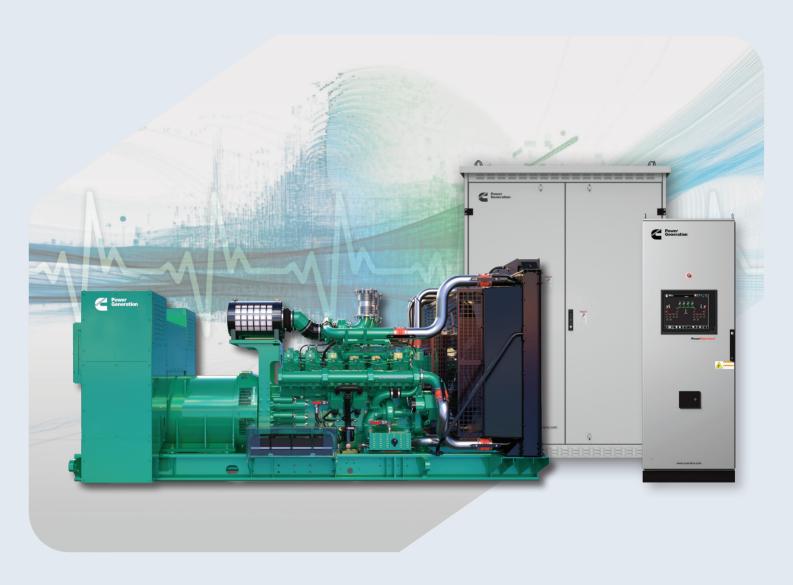
# Trusted Power Solutions for Healthcare Facilities



Industry-Leading Reliability for Uninterrupted Patient Care





# Uninterrupted Power, Care and Support

When every decision can be a matter of life and death, trust and reliability aren't just preferences; they're requirements.

Your patients rely on your ability to provide care whenever they need it. At Cummins Power Generation, we believe you should feel the same confidence and peace of mind toward your power solutions partner. With more than 100 years of expertise, Cummins Power Generation is one of the world's most trusted providers of critical backup power for healthcare facilities.

Your partnership with Cummins Power Generation starts at design, build and commissioning and lasts through the full lifecycle of your products, ensuring that your backup power is connected and ready for any emergency.

From generator sets and paralleling controls to transfer switches, switchgear, system-level controls, microgrid components and digital tools for 24/7 monitoring, Cummins Power Generation designs, manufactures and factory-tests every component to deliver unmatched reliability. Fully integrated components work together seamlessly, delivering fast and dependable transfers that meet the stringent requirements of Level 1 standby power systems.

Cummins has one of the largest global distribution networks, ensuring fast, accountable local support for every system.

Cummins Power System solutions are field-proven in thousands of the world's most respected healthcare facilities, including:

- Hospitals
- Outpatient clinics
- Ambulatory surgical centers
- Behavioral health centers
- Long-term care facilities

### Smart, Sustainable Power Solutions for Any Healthcare Facility

Cummins offers you scalable, flexible and sustainable power solutions that meet your requirements today while ensuring the freedom to expand in the future. A robust portfolio of smart, reliable power solutions enables you to find exactly what you need to help meet your sustainability, efficiency and resiliency goals.

- Diesel, natural gas and emerging technologies
- Traditional emergency standby power
- Peak shaving
- Advanced system and microgrid controls
- Combined heat and power (CHP)

You can rely on a team of advanced technology experts, offering design, procurement, project management, installation, commissioning and service support.

# **End-to-End Service** and Support

You can depend on Cummins as your single source for a fully integrated emergency power system — engineered, manufactured and supported by one expert team.

- One of the industry's largest global service footprints
- Fast, consistent support throughout the entire Cummins network
- Dedicated local contact
- Technicians always have the most up-to-date skills and equipment, with additional resources available as needed
- Search the robust Cummins parts inventory anywhere in the world
- Total accountability no need to mix components from multiple vendors
- Two- to three-year base warranty for all products (extendable for longer terms)



#### **Featured Power Solutions**

Cummins offers a full range of generators from 10 – 3500 kW and transfer switches from 40 – 3000 A. Here are just a few of the proven Cummins technologies that keep leading healthcare facilities up and running.



#### **CENTUM**" SERIES GENERATOR SETS

An award-winning, high-performance, high-power density system that delivers the power you need with unmatched durability and increased sustainability in a smaller footprint. You get the exact power you specify — without compromises.

Engine	Power Range
17L	600–1000 kW
38L	1250–1500 kW
50L	1750-2000 kW
78L	2750-3000 kW



# BATTERY ENERGY STORAGE SYSTEMS (BESS) — AVAILABLE IN SELECT REGIONS

Preconfigured, fully containerized BESS units from Cummins offer safe and reliable storage in energy nodes ranging from 200 to 2000 kWh. Engineered for critical applications like healthcare, these systems reduce your reliance on fossil fuels while managing the complexities associated with integrating renewable energy sources, improving resiliency, and providing backup power.





## POWERCOMMAND® B-SERIES AND X-SERIES TRANSFER SWITCHES

Designed for uncompromising reliability with no need for human intervention, these smarter, tougher switches enable seamless power transfers. Innovative blow-on technology — designed and patented exclusively by Cummins — enables industry-leading UL 1008 withstand and closing current ratings (WCR) and short time-based ratings that give you the freedom to use any over-current protection device. B-Series models include bypass isolation capabilities, allowing maintenance or testing without interrupting power to critical loads.



### POWERCOMMAND® PARALLELING SWITCHGEAR

Cummins switchgear combines rugged hardware with advanced controls to deliver safe, reliable power distribution in mission-critical environments. Built to UL 891 or UL 1558 standards for low-voltage and ANSI C37.20.2 for medium voltage, Cummins switchgear supports isolated, common and custom bus topologies with flexible configurations to meet the unique needs of healthcare campuses.



#### **DIGITAL MASTER CONTROLS (DMCs)**

The heart of every Cummins paralleling system, these built-to-order, fully customizable power controllers offer more than 1,200 factory-tested failure scenarios to provide best-in-class performance, resiliency and system uptime in any potentially disruptive scenario.

Model	Generators	Loads	Utilities
DMC2000	Up to 8	Up to 10	1
DMC6000	Up to 16	Up to 16	Up to 2
DMC8000	Unlimited	Unlimited	Unlimited



### REMOTE MONITORING FOR SEAMLESS CONTROL

Accessed securely via your computer, tablet or smartphone, Cummins PowerCommand Cloud™ enables you to check system status, identify faults, and access critical notifications in real time, reducing your operational and maintenance costs.



### **Designed for Easy Integration**

Cummins is a true single-source supplier, manufacturing and assembling every component of its power systems. You get the highest available levels of design and performance control — resulting in a much more reliable, integrated system than any other provider in the industry.

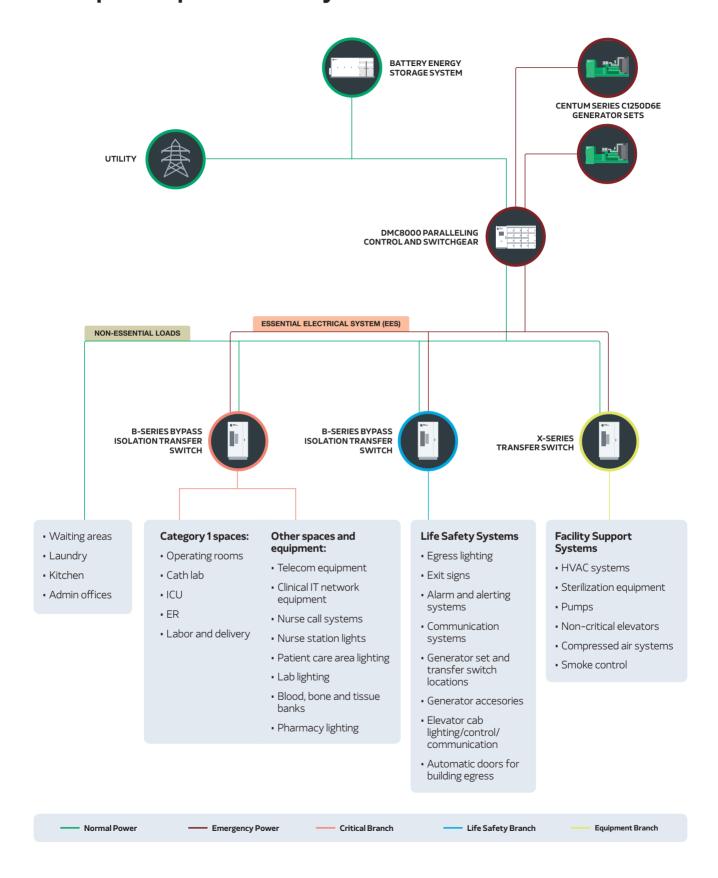
This approach reduces your system complexity, easing installation and commissioning time, delivering maximum reliability, and meeting constrained time and cost requirements.

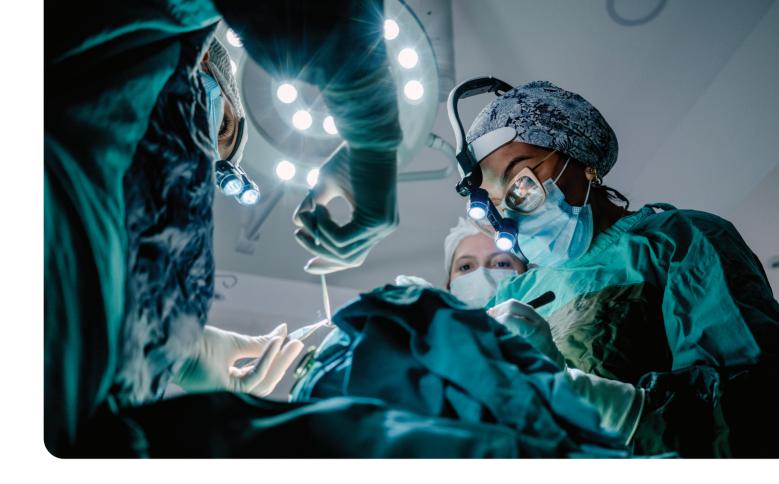




**Explore Our Products** 

#### **Example Hospital Power System**





# Meet Codes and Standards With Confidence

In addition to UL compliance, Cummins power system components meet or exceed the most relevant codes and standards for healthcare, including:

IBC

NEC 70

HCAI

- CSA 282
- NFPA 110 and 99
- IEC / CE / RoHS

Remote monitoring further eases compliance documentation by enabling seamless automatic maintenance logging and reporting.

# Hassle-Free Generator Selection

Cummins consulting engineers can help you identify the ideal design, while the online GenSize™ 2.0 specification tool simplifies generator set sizing and optimizes system performance. Built by expert engineers, GenSize 2.0 enables detailed product comparisons, practical load estimations and recommendations for each unique project.

#### **PUT ANY POWER CHALLENGE TO THE TEST**

The Power Integration Center (PIC) is a state-of-theart lab designed by leading Cummins engineers for the configuration, testing and validation of microgrid power systems. This collaborative space is unique to Cummins and allows you to work directly with our team of engineers to construct and test power systems.

Regardless of your needs, the PIC is ready to test them in a zero-operational risk environment.



Develop microgrid systems with the freedom to design unlimited scenarios.



Collaborate with Cummins experts.



Quickly reconfigure and refine power options.



Test any energy solution before commissioning.



Learn More

#### **Case Studies**

# OUR LADY OF THE LAKE REGIONAL MEDICAL CENTER

#### LOUISIANA, U.S.A.

Our Lady of the Lake treats approximately 25,000 inpatient cases and completes 350,000 outpatient procedures each year. Their reputation depends on fail–safe power — a critical factor in hurricane–prone Baton Rouge. The facility also relies on a unique combination of diesel and natural gas generator sets. This requirement, along with the need for a complete solution, drove the decision to use Cummins for standby and supplemental power.

In competitor systems, loss of a single control can cause total system failure. By contrast, Cummins designs fully integrated systems that enhance system reliability by adapting to ensure uninterrupted operation.

A 1750 kW diesel generator and five 1750 kW lean-burn natural gas generators provide Our Lady of the Lake with redundancy and paralleling capability, while a PowerCommand control system enables proper paralleling with equal sharing of real and reactive loads.





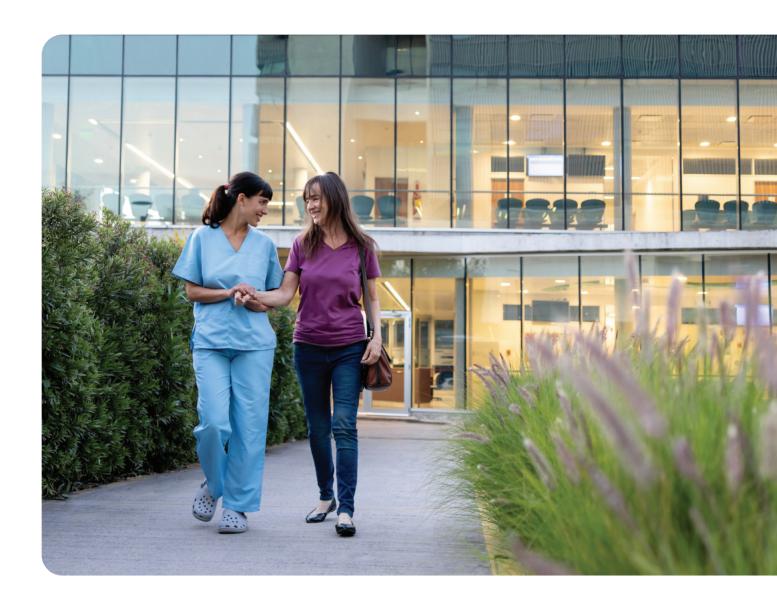
#### **ROYAL COLUMBIAN HOSPITAL**

#### **NEW WESTMINSTER, B.C., CANADA**

Founded in 1862, Royal Columbian is the only hospital in British Columbia with cardiac, trauma, neurosciences, high-risk maternity and neonatal intensive care on one site. In addition to its day-to-day role as the busiest hospital in the Fraser Health Authority, it's designated to serve as a post-disaster healthcare facility.

Cummins assisted a major expansion and upgrade, including the addition of a new energy center and a 75-bed mental health facility. The system needed to fit within limited space and meet strict seismic, noise and vibration requirements. Emergency standby power was essential for post-disaster scenarios.

Cummins met those needs with a fully integrated system, including two compact QSK-95L engines. These 16-cylinder units are comparable to 20-cylinder competitor engines, offering the best fuel efficiency for the rated power output while simplifying serviceability and reducing operating costs. Uninterrupted power to the existing facility was maintained throughout installation and startup.



# Trust in One

When every decision in your healthcare facility can be a matter of life and death, your power systems should be supported by the same level of continuous monitoring you provide to your patients. For the most critical backup power, **Cummins goes beyond the standard of care.** 

Design, manufacturing and commissioning are only the beginning. We believe **trust should last a lifetime.** We're here for the full lifecycle of your products, ensuring that your backup power is connected and ready for any emergency.

Cummins has your back with service and support — whenever and wherever you need it.

For sales and ordering, please contact your local sales manager via the dealer and distributor network at <u>locator.cummins.com</u>.

Visit us at <u>cummins.com/generators/healthcare</u> for more information.





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