# GAS POWER — RESILIENT. EFFICIENT. FLEXIBLE.

Cat® Gas Generators from 40-4500 ekW

Gas generator set technology helps you provide reliable power while reducing your energy bills, greenhouse gas (GHG) emissions*, and total cost of ownership.

Cat® Electric Power has manufactured high quality gensets for almost 100 years. Get more than power, get peace of mind from our experience and expertise, one global manufacturing standard, and the support of our worldwide dealer network.

*Compared to diesel engines

# BENEFITS OF GAS

- **RELIABILITY AND RESILIENCY**
  Cat gas gensets are engineered to provide unmatched reliability, and gas fueling means dependable power. Using pipeline natural gas rather than diesel means never worrying about running out of fuel when the unexpected happens.

- **LOWER EMISSIONS**
  Natural gas produces three times lower NOx emissions relative to diesel*, as well as sharply reducing $CO_2$ and sulphur dioxide, reducing total emissions and helping you meet sustainability goals.

- **LOWER TOTAL COST OF OWNERSHIP**
  Gas fuels cost less than diesel, meaning lower total fuel costs over a genset's life. Peak shaving and demand response programs can potentially result in additional savings and/or revenue.

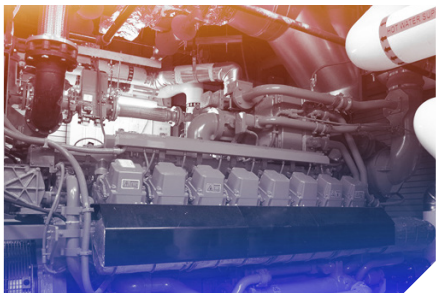
*Without aftertreatment

- **BUILT-IN FLEXIBILITY**
  Flexible by design, our gas genset power range meets the challenges of any application and is capable of running on various fuels including renewable gases—propane, pipeline natural gas and renewable natural gas, hydrogen blends of up to 25%, or biogas. The range of applications is extended to cope with the requirements of current energy systems, including typical applications like continuous power supply, combined heat and power, as well as emergency backup power and load management.

# GAS SOLUTIONS TO YOUR SPECIFIC ENERGY NEEDS

You may need to deliver prime or continuous power to grids or facilities to keep your operations running as long as needed. You may need to provide fast response to bring power on quickly when grids fail, or power demands rise. Or you may be providing standby power capability, knowing failure is not an option. Whatever the application, dependable Cat gas solutions give you peace of mind and the power you need.

**DEPENDABLE POWER ON DEMAND**
Cat Fast Response gas generator sets are engineered to help you bring power on quickly, and deliver unmatched performance, reliability, and cost-effectiveness.

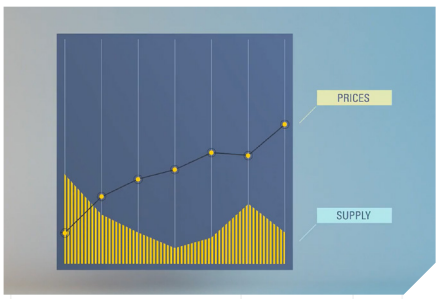


**COMBINED HEAT AND POWER (CHP)**
Boost efficiency to as much as 90% by using Cat gas gensets in CHP applications, ensuring reliable power while also lowering energy costs.

**BIOGAS—CONVERT WASTE TO RENEWABLE ENERGY**
Cat biogas gensets provide economical and renewable power by harnessing gases given off by waste materials, a sustainable option for agriculture, wastewater facilities, landfills, and other industries.

**HYDROGEN READY GENSETS**
Cat gas gensets are hydrogen ready and have the ability to run on natural gas blends with up to 25% hydrogen by volume. We also offer a G3516 gas genset capable of operating on 100% hydrogen.

**GAS PRODUCTS IN MICROGRIDS**
Microgrid systems combine renewables, gensets, energy storage systems, and sophisticated controls. Gas gensets make an ideal anchor for a microgrid, ensuring a resilient and cost-efficient power supply.

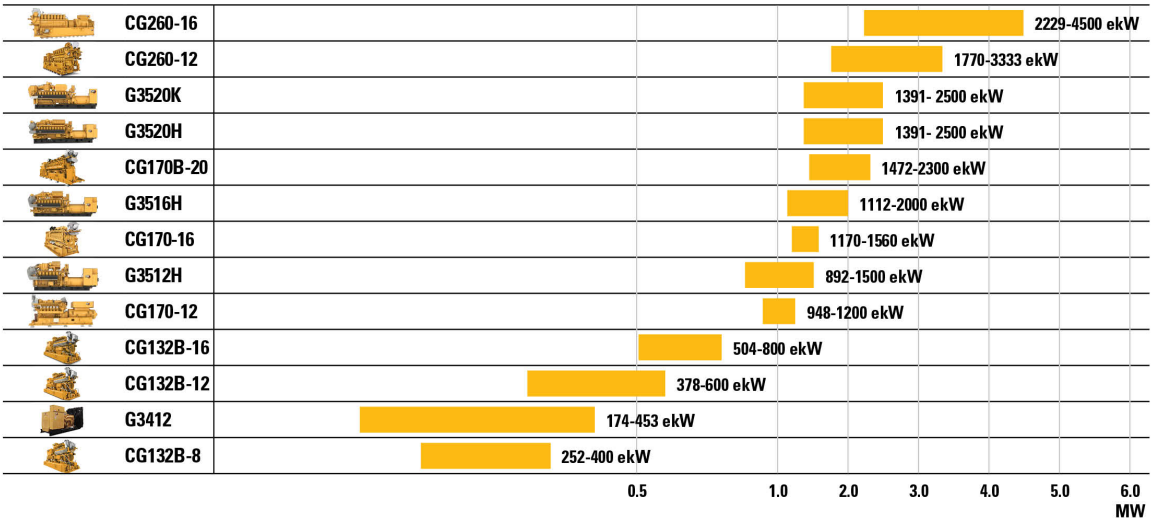



**DEMAND RESPONSE**
When electricity demand soars, so do prices. With your gas genset, you can transfer some or all of a facility's load from the grid to your own asset. You may also have the opportunity to sell the power your genset is producing.

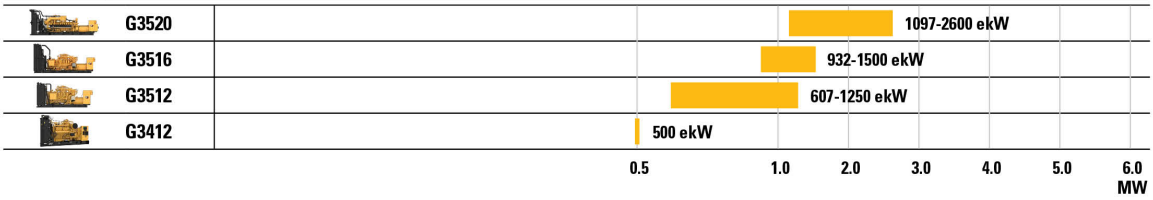
# POWER PRODUCTS FOR PRIME, STANDBY, AND DEMAND RESPONSE

Caterpillar offers gas generator sets engineered to meet any need, rated from 40 to 4500 ekW.

## CONTINUOUS




## STANDBY/FAST RESPONSE



### NEXT GENERATION CONTROLS

Our range of gas gensets can come fitted with the award-winning* Cat Energy Control System (ECS) to ensure compliance with major grid code requirements, provide intelligent grid connectivity, and the flexibility to layer additional functionality and serviceability in line with your changing energy needs.

*Consulting Specifying Engineer Product of the Year 2024 Gold Award in the Controls category.

### TRUST THE CAT DEALER NETWORK

Get peace of mind as well as getting the most out of your genset with unmatched, expert support from the Cat dealer network. With 156 dealers worldwide, you can count on access to the parts and services you need, no matter where you work.

**Want to learn more about gas-fueled power solutions? Contact your Cat dealer today.**

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