



Benefits

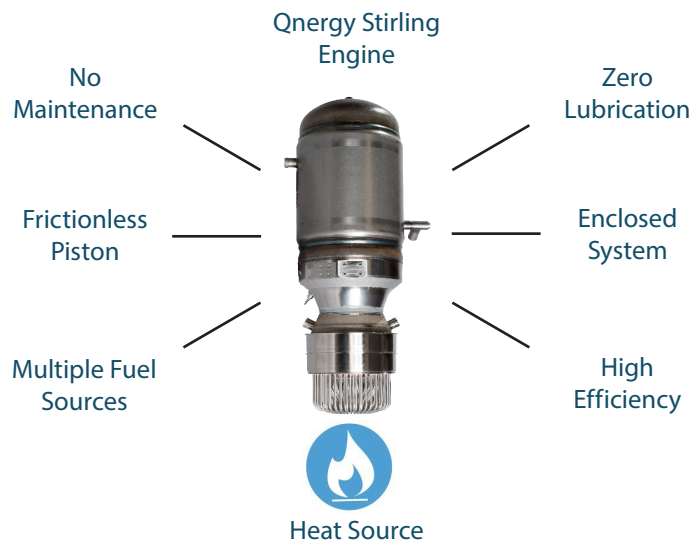
- Prime Power Solution
- Low Cost of Ownership
- Unprecedented Reliability
- Suitable for Rugged Applications
- High Efficiency
- Multiple Fuel Options
- Plug and Play Installation
- Small Footprint

PowerGen Series

Designed for rugged and remote operation, the PowerGen remote power generator provides reliable electrical power supply to the most demanding and mission-critical loads. Based on Qnergy's no-maintenance and highly reliable PCK series Stirling engines, the generator package can work seamlessly with a variety of fuel supplies, including: natural gas, propane, ethane, biogas, and multiple associated gas streams. By means of its flexible and modular design, this generator package can be tailored to provide a broad range of power output architectures to meet the electrical requirements of each specific site load.

Assembled using lean manufacturing processes, the PowerGen is built to meet strict quality standards. The integrated components and controls are all designed to maximize the customer's ability to control and monitor their power-generation asset while minimizing servicing of any kind.

What Makes Qnergy PowerGen Your Remote Power Solution?



Each PowerGen Remote Power System utilizes Qnergy's unique PCK80 Stirling Generator

Applications



- Artificial Lift
- Communication & SCADA
- Monitoring, Security & Safety

- Prime Power
- Renewable Hybrid
- Well Pad Automation
- Cathodic Protection (ICCP)



Qnergy has an experienced design and integration team that works to meet customer specific power needs!

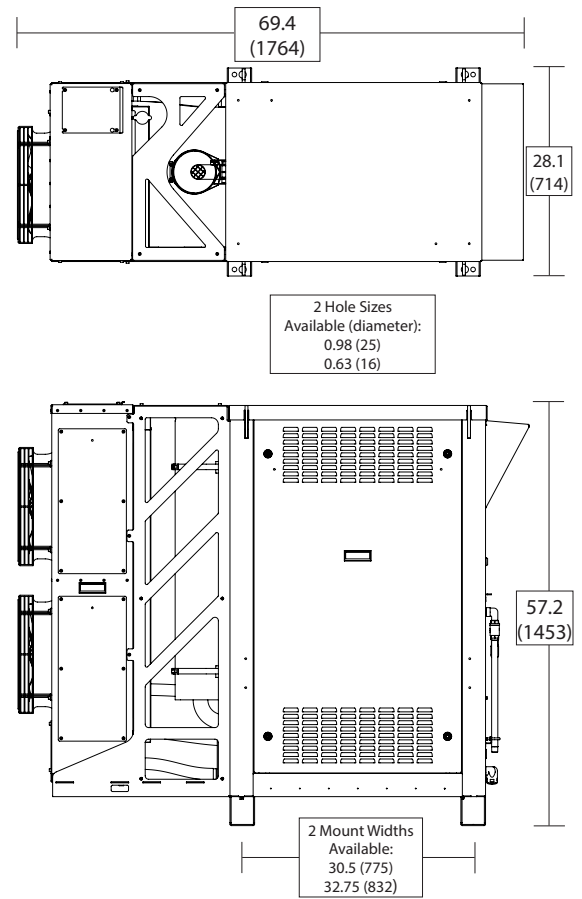
PowerGen Specification	5650 Series	1200 Series
Power Output*	5,650 Watts	1,200 Watts
Fuel Type	Gaseous Fuels: NG, LPG, Propane, Wellhead Gas	
Fuel Consumption (min)	1,433 ft ³ /day (NG) 15.2 gal/day (Propane)	672 ft ³ /day
Fuel Consumption (max)	3,964 ft ³ /day (NG) 44.4 gal/day (Propane)	672 / 936 ft ³ /day
Fuel Pressure Range	3-50 PSI (Natural Gas) 2-10 PSI (Propane)	3-50 PSI
Caloric Value (min / max)	751 / 3,382 BTU/ft ³	
Ambient Temperature Operation** Ambient Temperature Rated (Startup)	-13°F to 122°F 5°F to 122°F	
Cabinet Electrical Rating	IP54	
Electrical Configuration***	120 / 240 VAC Split Phase	
Certification	cETLus (UL2200) (CSA C22.2#100 / C22.2#14)	
Dry Weight	866 lbs (392 kg)	

* For detailed performance data, please request the engineering specification document

** Ask about a low temperature operation package (down to -40°F)

*** Additional electrical output configurations available

PowerGen Base Dimensions in(mm)



Additional Feature Options:

- Glycol Heat Trace
- Extreme Low Temperature Module
- Remote Monitoring
- Extended Standby
- Impressed Current Cathodic Protection
- 3-Phase Motor Drive
- Three Stage Battery Charging
- Configurable Voltage Outputs
- Gas Pressure Reduction System
- Custom Enclosure Color
- Fuel Conditioning
- Hybrid Compatible
- Sour Gas Service
- Heat Recovery
- Enhanced Security

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Qnergy (q-ner-gy) is a company focused on providing ultra-reliable power solutions. Our technology is rugged, cost-effective, and efficient. With more than 40 years of expertise and proven reliability, Qnergy brings proprietary, high-performance Free-Piston Stirling Engine technology to the marketplace to integrate within commercial and industrial applications.

How It Works

Qnergy's Free-Piston Stirling Engine (FPSE) generator can transform virtually any heat source into electricity. Once heat is applied to the FPSE the heat exchangers maintain a temperature differential across the engine causing the piston to shuttle back-and-forth. The oscillating helium drives the linear reciprocating motion of the piston, which by means of an integral linear alternator, directly converts the mechanical motion of the piston into electrical power.

The Qnergy engine has fewer moving parts than traditional kinematic Stirling engines, and no direct-contact points that cause wear and require lubrication. The Qnergy engine is truly a maintenance-free technology and offers long-life performance, two key features that make it an ideal power source.