
Microturbine Product Catalog

Applications and Features



**Smarter Energy
for a Cleaner Future**

Capstone Microturbines

When you think of Capstone microturbines, you think of precision, automation and reliability. Capstone's industry-leading microturbine solutions help improve business operations by putting the end user in control of their energy costs. Scalable from 65kW to 10MW, Capstone microturbines provide clean energy to organizations of varying sizes operating in numerous markets around the world. Advanced engineering and more than 100 patents put Capstone microturbines in a class of their own.

By integrating an aero-based turbine engine, a permanent magnet generator, advanced power electronics, with patented air bearing technology, Capstone microturbines are the ideal solution for today's distributed energy needs.

Features

-  Only one moving part
-  Patented air bearing technology
-  Clean waste heat
-  Wide fuel range
-  Stand alone or grid connect
-  Advanced combustion controls
-  High power density
-  Remote monitoring
-  Power electronics
-  Factory-designed controllers

Benefits

- Longer service intervals, low operating cost
- No lubricants or coolants needed
- Thermal energy for cogeneration/trigeneration
- Operates on gaseous, renewable and liquid fuels
- Lower peak demand costs
- Low emissions, no exhaust aftertreatment
- Compact footprint, small modular design
- View performance and diagnostics 24/7
- High efficiency under all load conditions
- Increase efficiency, uptime, and run-time balance



C65



C65 ICHP



C200S



C1000S

Model	Fuels	Power Output ⁽¹⁾	Electrical Efficiency	Exhaust Mass Flow		Exhaust Temperature		Net Heat Rate	
		kW	%	kg/s	lbm/s	C°	F°	MJ/kWh	btu/kWh

GASEOUS FUELS ⁽²⁾

C65	NG, LPG, LG, DG, HPH2	65	28	0.49	1.08	332	629	12.9	12,200
C200S	NG, LG, DG, HPH2	200	33	1.3	2.9	280	535	10.9	11,000
C600S	NG, LPG, LG, DG, HPH2	600	33	4.0	8.8	280	535	10.9	10,300
C800S	NG, LPG, LG, DG, HPH2	800	33	5.3	11.7	280	535	10.9	10,300
C1000S	NG, LPG, LG, DG, HPH2	1000	33	6.7	14.7	280	535	10.9	10,300

LIQUID FUELS ⁽³⁾

C200S	D	190	31	1.3	2.9	280	535	12	11,370
C600S	D	570	31	4.0	8.8	280	535	11.6	11,000
C800S	D	760	31	5.3	11.7	280	535	11.6	11,000
C1000S	D	950	31	6.7	14.7	280	535	11.6	11,000

**Integrated Combined Heat and Power (ICHP) option available for all microturbine systems.
Additional Parasitic Loss for all Low Pressure Natural Gas Systems.**

(1) Nominal full power performance at ISO conditions: 15° C (59° F), 14.696 psia, 60% RH

(2) Models available to operate on these different fuels: NG – Natural Gas; LPG – Liquid Petroleum Gas; LG – Landfill Gas; DG – Digester Gas; HPH2 – H2 and Natural Gas Blend

(3) Models available to operate on these different fuels: D – Low Sulfur Diesel #2

Specifications are not warranted and are subject to change without notice.



C200S ICHP

C600S ICHP

C800S ICHP

C1000S ICHP

Capstone Green Energy Corporation is a leading provider of customized microgrid solutions and on-site energy technology systems focused on helping customers around the globe meet their carbon reduction, energy savings and resiliency goals.

Capstone Green Energy focuses on four key business segments. Through its Energy as a Service (EaaS) business, it offers rental solutions for its microturbine energy systems and battery storage systems as well as aftermarket parts and comprehensive service contracts through a comprehensive Factory Protection Plan (FPP) product. Energy Generation Technologies (EGT) are driven by the company's industry-leading, highly efficient, low-emission, resilient microturbine energy systems offering scalable solutions in addition to a broad range of customer-tailored solutions, including hybrid energy systems and larger frame industrial turbines Baker Hughes. The Energy Storage Solutions (ESS) segment designs and installs microgrid storage systems creating customized solutions using a combination of battery technologies and monitoring software. Through Hydrogen Energy Solutions (H2S), Capstone Green Energy offers customers a variety of hydrogen products, including the company's microturbine energy system.

For more information about Capstone Green Energy and its clean-and-green microturbine technology solutions, please visit www.capstonegreenenergy.com or call 1.818.734.5300.