



REMOTE FUEL CELL SYSTEM **WATT REMOTE™**



About Us

WATT is a leading contributor of ideas and technologies that seeks to develop advanced energy solutions for significant energy matters.

WATT designs, develops and manufactures small-scale Solid Oxide Fuel Cell (SOFC) systems that economically generate clean, reliable power at the point of use.

Why Choose Us



Broad Applicability

WATT REMOTE powers critical remote applications, limited today by power availability or reliability. Fit for a wide variety of use cases including rail, telecom, oil & gas, and weather stations.



Technology Advantage

Non-combustion SOFC technology provides higher efficiency, quieter operation, and lower emissions than generators.



Fuel Flexibility

With the ability to run on propane or natural gas, WATT REMOTE provides fuel flexibility without compromise.

Features & Benefits

Operations

- High Reliability
- Modular and Scalable
- Natural Gas or Propane Operation
- Enclosure Compatible

Clean Energy Advantage

- Low Emissions
- No NOx or SOx
- Can Integrate with Solar and Energy Storage

Design, Safety & Connectivity

- Designed to be Compliant with FC1 and UL 1741
- Passive Safety Features
- App Connectivity for Continuous Monitoring with Internet Availability

Contact Us

 724.547.9170

 www.wattfuelcell.com

Product Characteristics

Outputs

PROPANE MODEL 500

Nominal Power Output	500 W
Nominal Battery Voltage	48 V
Power Availability/100 lbs Propane	208 kWh

PROPANE MODEL 1250

Nominal Power Output	1250 W
Nominal Battery Voltage	48 V
Power Availability/100 lbs Propane	208 kWh

NG MODEL 500

Nominal Power Output	500 W
Nominal Voltage	48 Vdc

NG MODEL 1500

Nominal Power Output	1500 W
Nominal Voltage	48 Vdc

Recommended Min. Capacity Requirements

ALL REMOTE MODELS

Battery Type	AGM or Lithium
Nominal Battery Voltage	48 V
Battery Voltage Range	42-60V
Min. Transient Battery Capacity	55 Ah

Physical & Environmental

ALL REMOTE MODELS

Weight (1250/1500 Models)	64 lbs/29 kg
Weight (500 Models)	52 lbs /23.6 kg**
Dimensions	24.6" x 14.1" x 14.7" (62.5 cm x 35.8 cm x 37.3 cm)
Operating Temperature*	14°F - 104°F (-10°C - 40°C)
Storage Temperature*	-4°F - 167°F (-20°C - 75°C)
Humidity	5-95% Non-Condensing
Noise	<50 dBA @ 3 ft

Fuel Requirements

PROPANE MODELS

Approved Gas Type	HD5 Propane >85% Propane <5% Propylene
Desulfurization	< 1ppm after desulfurization
Gas Supply Pressure	0.5 psi
Max Gas Consumption (500W)	0.36 lbs/hr
Max Gas Consumption (1250W)	0.68 lbs/hr

NATURAL GAS MODELS

Approved Gas Type	>90% Methane <10% Additional Hydrocarbons
Desulfurization	< 1ppm after desulfurization
Gas Supply Pressure	0.5 psi
Nominal Gas Consumption (500W)	7.8 ft ³ /hr
Nominal Gas Consumption (1500W)	15.88 ft ³ /hr

Emissions

ALL REMOTE MODELS

NOx	0 ppm
SOx	0 ppm
CO	< 30 ppm

Codes & Standards

Designed to be compliant with ANSI CSA FC-1 and UL 1741

Notes & Application Engineering

* Temperature requirements can be optimized through application design and fuel cell operation engineering

** Estimated weight

All WATT REMOTE models are compatible with market available DC to DC converters



Today's Innovation
Empowering Your World.