SENTINEL

GLOBAL power technologies

8W NET

@68°F [20°C], @ Sea Level,
for Annual Maintenance

An ultra-reliable power source designed for low power applications in a hazardous location where a small footprint, easy installation and infrequent on-site maintenance is required.

Available Voltages

12 VDC	24 VDC
12 - 15 VDC	24 - 29 VDC

Fuel Requirements

Fuel Type: Natural Gas

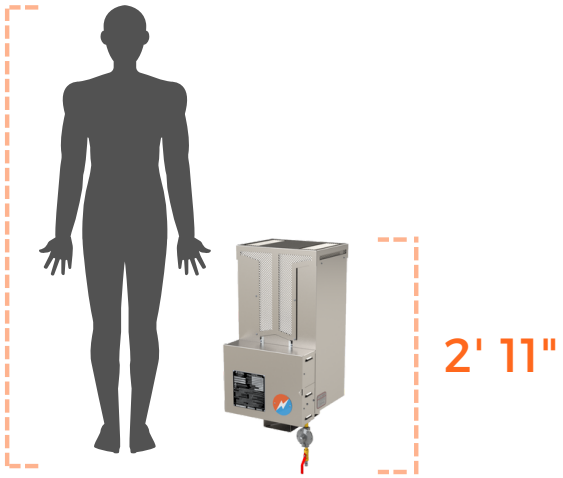
Fuel Consumption: 168 SCF/day [4.8m^3/day]

Fuel Pressure: 5 psi to 25 psi [34 kPa to 172 kPa]

ETL CLASSIFIED
C ETL US LISTED
Intertek
4008107

Hazardous Location Certified

Class I, Division 2,
Group D, T3 -40°F to 120°F [-40°C to 49°C]



KEY FEATURES

Automatic Fuel Safety Shut-Off ⚡ Fuel Filtration (H_2S) ⚡ Pole/Wall Mountable

Unsheltered Operation
Weather Resistant
Easy Access for Maintenance

Communication
Dry Contact Low Voltage Alarm
Status Signal Lights

Installation & Servicing
Simple Installation Procedure
1-year Service Interval
On-Site, In-Situ Maintenance

Security
Pad Lockable Enclosure
Optional Security Cover for H_2S Filter

Wide Operating Temperature
-40°F to +120°F [-40°C to +49°C]

Please contact GPT for operating conditions above/below specified range

Silent Operation
< 40 dB(A) @ 3 ft. [1 m]

Construction
19 in. (D) x 16 in. (W) x 37 in. (H)
478mm (D) x 403mm (W) x 946 (H)
94.6 lb. [42.9kg] - Fully Assembled

H_2S Filtration
Quick and Simple Filter Replacement

SPECIFICATIONS

HAZARDOUS LOCATION RATING

CERTIFICATION

Class I, Division 2, Group D, T3 -40°F to +120°F (-40°C to +49°C)

POWER SPECIFICATIONS

POWER RATING AT 68°F (20°C) AT SEA LEVEL

8 Watts, for annual maintenance

ELECTRICAL

OUTPUT ADJUSTMENT RANGE

12 Volt Model	12–15 VDC
24 Volt Model	24–29 VDC

Note: Output voltage is selected at time of ordering.

Terminal block accepts up to 12 AWG wire. Opening for 1/2" conduit in base of cabinet.

FUEL REQUIREMENTS

NATURAL GAS

168 scf/day (4.8m^3/day)
1000 BTU/scf (37 MJ/Sm^3) gas
max ~4 ppm (2.7 mg/m^3) H_2S
max 16 ppm (11 mg/m^3) H_2O
max 1% free O_2

Max. Supply Pressure: 25 psi (172.4 kPa)
Min. Supply Pressure: 5 psi (34 kPa)
Fuel Connection: 1/4" Female NPT

Note: Fuel requirements are specified at the inlet of the fuel filter.

ENVIRONMENTAL

AMBIENT OPERATING TEMPERATURE

Max. 120°F (+49°C)
Min. -40°F (-40°C)

OPERATING CONDITIONS

Unsheltered operation

Please contact GPT for operating conditions below -40°F or above 120°F or above 3,600ft elevation.

CONSTRUCTION

MATERIALS

Cabinet:	304 Stainless Steel (SS)
Cooling Type:	Natural Convection
Fuel System:	Brass, Aluminum & Stainless Steel

NOTE

Specifications shown are for standard sentinel configurations. Global Power Technologies (GPT) also offers customized products and systems to accommodate custom voltages, fuel supply systems and operating temperatures.

Specification data stated in this document is subject to change without notice. To verify these specifications are current, please contact your GPT sales representative.

Global Power Technologies provides ultra-reliable off-grid power with clean energy options, including methane abatement.

Global Power Technologies (GPT) was established in 1975 to commercialize thermoelectric generator technology originally developed for the Apollo Space Program.

Our range of ultra-reliable generators for low to mid-power applications from 6W to 6kW provides an efficient solution for off-grid power.

Our solutions maximize production uptime, minimize unplanned maintenance and are hybrid and renewable energy-compatible. Today, GPT is a leader in powered clean-tech solutions with lower emissions and increased efficiency.

Power when you need it.

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