MODEL S-8500

The Model S-8500 Thermoelectric Generator contains no moving parts. It is a reliable, low-maintenance source of DC electrical power for any application where regular utilities are unavailable or unreliable.

KEY FEATURES:

- ✓ Automatic Spark Ignition (SI)
- ✓ Automatic Fuel Shut-Off (SO)
- Fuel Filter
- ✓ Low Voltage Alarm Contacts (VSR)
- ✓ Reverse Current Protection
- ✓ Certified to CSA Std. T.I.L. R-10; CE

OPTIONAL FEATURES:

- ✓ Remote Start
- ✓ Corrosive Environmental Fuel System
- ✓ Cathodic Protection Interface



SPECIFICATIONS

POWER SPECIFICATIONS POWER RATING AT 20°C (68°F)

> 460 Watts @ 12 Volts 460 Watts @ 48 Volts

520 Watts @ 24 Volts

ELECTRICAL OUTPUT ADJUSTMENT RANGE

> 11.4-12.6 Volts 12 Volts 24 Volts 24-30 Volts

48 Volts 47-57 Volts Output: Terminal block which accepts up to 8 AWG wire. Opening

for 1" conduit in base of cabinet.

NATURAL GAS **FUEL REQUIREMENTS**

> 50.4m³/day (1780 Sft³/day) 1000 BTU/Sft3 (37.7 MJ/Sm3) gas max 115 mg/Sm3 (~170 ppmw) H₂S

max 120 mg/Sm³ H₂O max 1% free O₂

PROPANE

76.0 L/day (20.1 US gal/day)

NATURAL GAS/PROPANE

Max. Supply Pressure: 344 kPa (50 psi) Min. Supply Pressure NG: 103 kPa (15 psi) Min. Supply Pressure LPG: 166 kPa (24 psi)

Fuel Connection: 1/4" Female NPT

ENVIRONMENTAL AMBIENT OPERATING TEMPERATURE

> Max. +55°C (130°F) Min. -40°C (-40°F)

OPERATING CONDITIONS Unsheltered operation

Please contact GPT for operating conditions below

-40°C or above +55°C.

CONSTRUCTION **MATERIALS**

> Cabinet: 304 Stainless Steel (SS) Cooling Type: Natural Convection

Fuel System: Brass, Aluminum & Stainless Steel

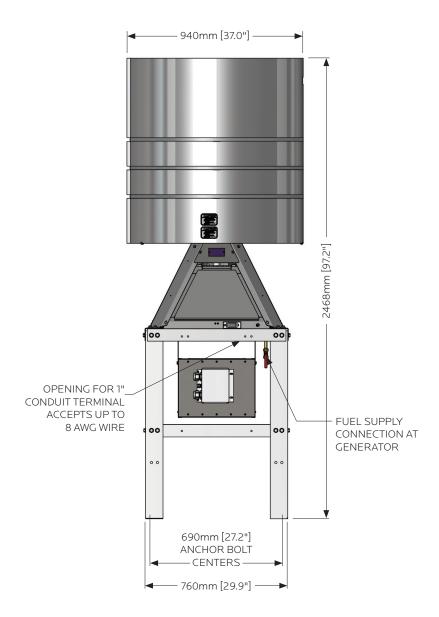
NOTES Specifications shown are for standard S-8500 configurations. Global Power Technologies (GPT) also offers customized products and systems to accommodate custom voltages, fuel supply systems and

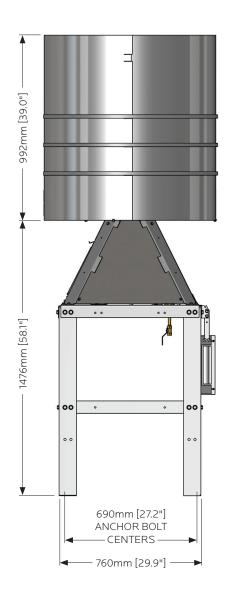
operating temperatures.

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



TYPICAL DIMENSIONS **MODEL S-8500**





NOTES: Generator Weight: 274 kg [604 lb]

ISO 9001:2015 REGISTERED





