The Model 8550 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)
- Overtemperature Shutdown (SD)
- Reverse Current Protection

OPTIONAL FEATURES:
- Corrosive Environmental Fuel System
- Remote Start
- Bench Stand
- Operation Over 4,000m Elevation
- Cathodic Protection Interface

POWER SPECIFICATIONS

POWER RATING AT 20°C (68°F)

<table>
<thead>
<tr>
<th>Voltage</th>
<th>Watts</th>
</tr>
</thead>
<tbody>
<tr>
<td>12 Volts</td>
<td>480 Watts</td>
</tr>
<tr>
<td>24 Volts</td>
<td>550 Watts</td>
</tr>
<tr>
<td>48 Volts</td>
<td>480 Watts</td>
</tr>
</tbody>
</table>

ELECTRICAL

OUTPUT ADJUSTMENT RANGE

<table>
<thead>
<tr>
<th>Voltage</th>
<th>Adjustments</th>
</tr>
</thead>
<tbody>
<tr>
<td>12 Volts</td>
<td>11.4–12.6 Volts</td>
</tr>
<tr>
<td>24 Volts</td>
<td>24–30 Volts</td>
</tr>
<tr>
<td>48 Volts</td>
<td>47–57 Volts</td>
</tr>
</tbody>
</table>

Output: Terminal block which accepts up to 8 AWG wire. Opening for 3/4" conduit in base of cabinet.

FUEL REQUIREMENTS

NATURAL GAS
48.0m³/day (1695 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: 172 kPa (25 psi)
Min. Supply Pressure NG: 103 kPa (15 psi)
Min. Supply Pressure LPG: 138 kPa (20 psi)
Fuel Connection: 1/4" Male NPT

ENVIRONMENTAL

AMBIENT OPERATING TEMPERATURE
Max. +45°C (115°F)
Min. -40°C (-40°F)

OPERATING CONDITIONS
Unsheltered operation, shaded at >45°C

CONSTRUCTION

MATERIALS

<table>
<thead>
<tr>
<th>Component</th>
<th>Material</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cabinet</td>
<td>304 Stainless Steel (SS)</td>
</tr>
<tr>
<td>Cooling Type</td>
<td>Natural Convection</td>
</tr>
<tr>
<td>Fuel System</td>
<td>Brass, Aluminum &amp; Stainless Steel</td>
</tr>
</tbody>
</table>

NOTES

Specifications shown are for standard 8550 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

NOTES:
- Generator Weight: 102 kg [225 lb]