The Model 5030 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 DESIGN FEATURES:**
- Automatic Spark Ignition (SI)
- Automatic Fuel Shut-Off (SO)
- Fuel Filter
- Low Voltage Alarm Contacts (VSR)
- Reverse Current Protection

**OPTIONAL FEATURES:**
- Pole Mount or Bench Stand
- Corrosive Environmental Fuel System

### Power Specifications

<table>
<thead>
<tr>
<th>Power Rating at 20°C:</th>
</tr>
</thead>
<tbody>
<tr>
<td>21 Watts @ 12 Volts</td>
</tr>
<tr>
<td>21 Watts @ 24 Volts</td>
</tr>
</tbody>
</table>

### Electrical

<table>
<thead>
<tr>
<th>Output Adjustment Range:</th>
</tr>
</thead>
<tbody>
<tr>
<td>12 V 12–18 Volts</td>
</tr>
<tr>
<td>24 V 24–30 Volts</td>
</tr>
</tbody>
</table>

Output: Terminal block which accepts up to 10 AWG wire. Opening for 3/4" conduit in base of cabinet.

### Fuel Requirements

**Natural Gas:**
- Max. Supply Pressure: 172 kPa (25 psi)
- Min. Supply Pressure NG: 69 kPa (10 psi)
- Max. 2.1 m³/day (74 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:**
- Max. Supply Pressure: 172 kPa (25 psi)
- Min. Supply Pressure NG: 69 kPa (10 psi)
- Max. 3.0 l/day (0.8 US gal/day)
- 103 kPa (15 psi)
- Fuel Connection: 1/4" MNPT

### Environmental

<table>
<thead>
<tr>
<th>Ambient Operating Temperature:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Max. +45°C (115°F)</td>
</tr>
<tr>
<td>Min. -40°C (-40°F)</td>
</tr>
</tbody>
</table>

Operating Conditions:
- Unsheltered operation

Please contact GPT for operating conditions below -40°C or above +45°C.

### Construction

<table>
<thead>
<tr>
<th>Materials:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cabinet: Aluminum</td>
</tr>
<tr>
<td>Cooling Type: Natural Convection</td>
</tr>
<tr>
<td>Fuel System: Brass, Aluminum &amp; Stainless Steel</td>
</tr>
</tbody>
</table>

**Note:**
Specifications shown are for standard 5030 configurations. Gentherm 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.

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E gptsales@gentherm.com  
W www.genthermglobalpower.com
OPENING FOR 3/4" CONDUIT 6, 7, 12, 24 OR 48 VDC CUSTOMER LOAD, TERMINAL ACCEPTS UP TO 10 AWG WIRE

FUEL SUPPLY 1/4" MNPT CONNECTION AT GENERATOR

SUPPORT COLUMN (OPTIONAL) 3" SCH. 40 PIPE

NOTES:
Generator Weight: 18 kg [40 lb] | Model: 5030

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