The Model P-5050 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
- API 12N Flame Arrestor (Natural Gas Only)
- Certified to CSA Std. T.I.L. R-10; CE

**OPTIONAL FEATURES:**
- Remote Start
- Corrosive Environmental Fuel System
- Cathodic Protection Interface
- Pole Mount or Bench Stand

### Power Specifications

<table>
<thead>
<tr>
<th>Type</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Power Rating at 20ºC (68ºF):</td>
<td></td>
</tr>
<tr>
<td>50 Watts @ 14 Volts</td>
<td></td>
</tr>
<tr>
<td>50 Watts @ 27 Volts</td>
<td></td>
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</tbody>
</table>

### Environmental

**Ambient Operating Temperature:**
- Max. +55ºC (130ºF)
- Min. -40ºC (-40ºF)

**Operating Conditions:**
- Unsheltered operation, shaded at >45ºC (113ºF)

Please contact GPT for operating conditions below -40ºC or above +55ºC.

### Construction

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

### Note:

Specifications shown are for standard P-5050 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
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NOTES:

Generator Weight: 41 kg [90 lb]  
Model: P-5050  
Certified to CSA Std. T.I.L. R-10; CE

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Typical Dimensions  
Model P-5050