The Model P-5050 Thermoelectric Generator contains no moving parts. A reliable, low-maintenance source of DC 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
- API 12N Flame Arrester (Natural Gas Only)
- Certified to CSA Std. T.I.L. R-10; CE

**OPTIONAL FEATURES:**
- Remote Start
- Corrosive Environmental Fuel System
- Cathodic Protection Interface
- Converter Box
- Heat Recovery System (HRS)
- Pole Mount or Bench Stand

**SPECIFICATIONS**

**POWER SPECIFICATIONS**

**POWER RATING AT 20°C (68°F)**
- 50 Watts @ 14 Volts
- 40 Watts @ 54 Volts

**ELECTRICAL**

**OUTPUT ADJUSTMENT RANGE**
- 12 Volts: 12–18 Volts
- 24 Volts: 24–30 Volts
- 48 Volts: 53–57 Volts

**FUEL REQUIREMENTS**

**NATURAL GAS**
- 4.8m³/day (168 Sft³/day)
- 1000 BTU/Sft³ (377 MJ/Sm³) gas
- max 115 mg/Sm³ (~170 ppmw) H₂S
- max 120 mg/Sm³ H₂O
- max 1% free O₂

**PROPANE**
- 7.2 L/day (1.9 US gal/day)

**NATURAL GAS/PROPANE**
- Max. Supply Pressure: 344 kPa (50 psi)
- Min. Supply Pressure: 103 kPa (15 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, shaded at >45°C (113°F)
- 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 P-5050 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

- Fuel Supply Connection at Generator
  - 391mm [15.5"] W/CP BOX
  - 267mm [10.5"] Anchor Bolt Centers Ø0.312"

- Support Column (Optional) 3” SCH. 40 Pipe
  - OPENING FOR 3/4” CONDUIT 12 OR 24 VDC CUSTOMER LOAD. TERMINAL ACCEPTS UP TO 8 AWG WIRE

- Optional Cathodic Protection or 48V Converter Box
  - 449mm [17.7"] W/48V BOX
  - 306mm [12.1”]

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

ISO 9001:2008 REGISTERED