

# MODEL 5030

## Thermoelectric Generator



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



Specification Sheet

Power Specifications	Power Rating at 20°C:
	21 Watts @ 12 Volts
	21 Watts @ 24 Volts

Electrical	Output Adjustment Range:
	12 V    12-18 Volts
	24 V    24-30 Volts

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

Fuel Requirements	Natural Gas:
	2.1 m <sup>3</sup> /day (74 Sft <sup>3</sup> /day)
	1000 BTU/Sft <sup>3</sup> (37.7 MJ/Sm <sup>3</sup> ) gas
	max 115 mg/Sm <sup>3</sup> (~170 ppmw) H <sub>2</sub> S
	max 120 mg/Sm <sup>3</sup> H <sub>2</sub> O
	max 1% free O <sub>2</sub>
	Propane:
	3.0 l/day (0.8 US gal/day)

Max. Supply Pressure: 172 kPa (25 psi)  
Min. Supply Pressure NG: 69 kPa (10 psi)  
Min. Supply Pressure NG: 103 kPa (15 psi)  
Fuel Connection: 1/4" MNPT

Environmental	Ambient Operating Temperature:
	Max. +45°C (115°F)
	Min. -40°C (-40°F)
	Operating Conditions:
	Unsheltered operation

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

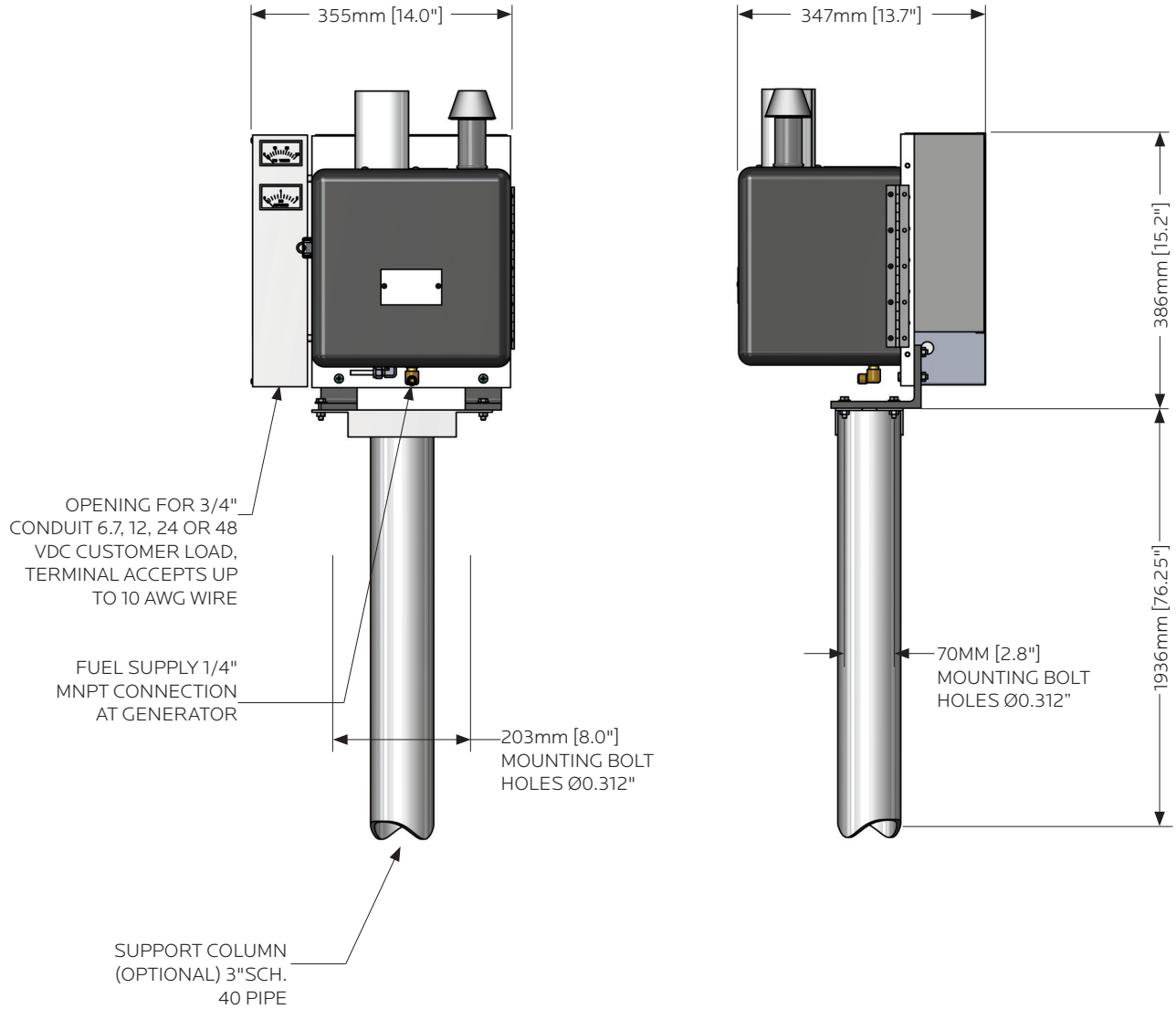
Construction	Materials:
	Cabinet: Aluminum
	Cooling Type: Natural Convection
	Fuel System: Brass, Aluminum & Stainless Steel

#### Note:

Specifications shown are for standard 5030 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.

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**NOTES:**

Generator Weight: 18 kg [40 lb]

Model: 5030

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