Power where you need it.®

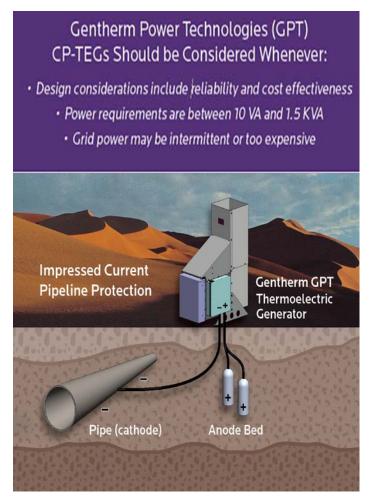


Cathodic Protection Systems for Gentherm Global Power Technologies (GPT) Thermoelectric Generators

Corrosion is the problem and cathodic protection is the solution. To ensure that a cathodic protection system is an economically feasible solution the system must include a cost effective method of impressing current. GPT Thermoelectric Generators (TEG) meet this criteria.

Electrical power is generated by the direct conversion of heat from the combustion of fuel into electricity. Today's users of cathodic protection are highly cost conscious, and most expenditures are based upon sound economic analysis to justify capital and operational costs. GPT TEGs are a proven reliable source of continuous current, and should always be considered for cathodic protection applications.

GPT's CP-TEGs are normally located near the ground bed, and supplied with fuel from tanks or from wellheads or pipelines. The output current can be adjusted by means of an integral variable resistor so that output current is matched to the ground bed resistance.

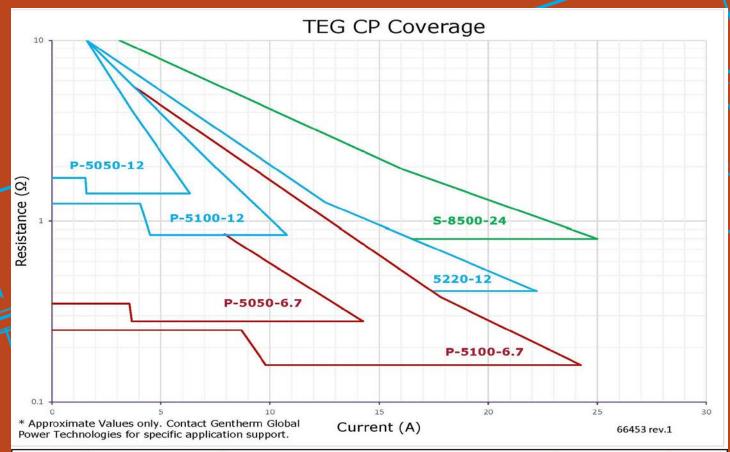


With over 40 years of experience in supplying DC power to the cathodic protection industry, GPT TEGs offer:

- Stainless steel, weatherproof construction means NO sheltering required
- Quiet, ecologically sound service
- Extended design lifetime, with minimal maintenance
- Operation on propane, butane, and natural gas
- No battery bank is required
- Alternate solution to a rectifier which requires AC Power
- CP Panel supplies DC power which allows you to connect directly to the anode bed easily
- Integrated solutions such as Auto CP Panels and Current Interrupter Functionality available upon request.

For additional information and project assistance:

- Contact your sales representative for support on unique CP site requirements
- Visit our website to see the full details summarize on this sheet



| Model | Power Specifications @ 20°C | Fuel Consumption *All Natural Gas is Std. 1000 BTU/SCF 37.7 MJ/Sm³ gas | Dimensions LxWxH mm (Inches) | Weight kg (lb) |
|--------|---|---|------------------------------------|-------------------|
| P-5050 | 50 Watts @ 6.7 Volts 50 Watts @ 12 Volts 50 Watts @ 24 Volts | Natural Gas: 4.8 m³/day (168 ft³/day) Propane: 7.2 l/day (1.9 US gal/day) / 3.6 kg/day Max. Supply Pressure: 344 kPa (50 psig) Max. Supply Pressure: 314 kPa (50 psig) | 772 x 306 x 991 (30 x 12 x 39) | 41 (90) |
| P-5100 | 100 Watts @ 6.7 Volts 100 Watts @ 12 Volts 100 Watts @ 24 Volts 100 Watts @ 48 Volts | Natural Gas: 9.9 m³/day (350 ft³/day) Propane: 15.4 l/day (4.1 US gal/day) / 7.7 kg/day Max. Supply Pressure: 344 kPa (50 psig) Max. Supply Pressure: 314 kPa (50 psig) | 790 x 309 x 991 (31 x 12 x 39) | 60 (132) |
| 5220 | 195 Watts @ 12 Volts 178 Watts @ 24 Volts | Natural Gas: 19.7 m³/day (700 ft³/day) Propane: 28.0 l/day (7.4 US gal/day) / 14.2 kg/day Max. Supply Pressure: 345 kPa (50 psig) Max. Supply Pressure: 365 kPa (24 psig) | 810 x 450 x 1275 (31 x 18 x 50) | 97 (214) |
| S-8500 | 460 Watts @ 12 Volts 520 Watts @ 24 Volts 460 Watts @ 48 Volts | Natural Gas: 50.4 m³/day (1780 ft³/day) Propane: 76 l/day (20.1 US gal/day) / 38 kg/day Max Supply Pressure: 344 kPa (50 psig) Min. Supply Pressure: NG: 130 kPa (15 psig) LPG: 166 kPa (24 psig) | 941 x 941 x 2464 (37 x 37 x 97) | 274 (603) |

Please contact GPT for operating conditions below -40°C or above +45°C for assistance in selection of the right TEG for 1811 your site. Specifications are subject to change without notice. Contact a GPT sales representative to verify you have the most current information.