Thermoelectric Generator
220W/12V

General
Made from high temperature PbTe/PbSnTe thermoelectric couples assembled in hermetically sealed modules to produce electricity by the conversion of heat energy. The heat is produced by a gas burner.

Electrical
<table>
<thead>
<tr>
<th>Power output</th>
<th>220W/12V @ 20C, 750m</th>
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</thead>
<tbody>
<tr>
<td>Output Voltage</td>
<td>12-18V DC</td>
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Operating Fuel
| Natural gas |
| Compressed Natural gas |
| Propane |

Construction
| Housing | Stainless steel |
| Modules enclosure | Acid proof steel |
| Hot frame | High temperature alloy |
| Burner | Meeker type alt. Catalytic burner |
| Wiring/ tubing | Heat resistant materials |
| Cooling | Passive air cooling |

Fuel regulations
| Gas pressure Regulator inlet | 100 PSIG(Max) |
| Fuel Shut off | Automatic when no combustion is present |
### Ignition
- Automatic: yes
- Match: yes

### Atmospheric Conditions
- Ambient temperature: 10°C - 60°C
- Altitude: 1000m

### Output control
- Variable resistor: Fitted in TEG unit, Min to max current adjustable

### Metering
- Voltmeter and Amperemeter: Mounted within cabinet alternatively in a separate metal box

### Mounting
- Pole
- Alt. Floor

### Reverse current prevention
- Blocking diode

### Warranty: 5 Years
- Terms: Excluding normal wear of burner system parts. Normal handling is required. Excluding mechanical abuse of the unit. Warranty void if the cooling air flow is or has been blocked

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