

Generation modules





Overview

What is solar power generation module (PGM)?

Solar's modular concept for gas turbine generator sets has been optimized for transportation and the scope has been minimized for civil works with our Power Generation Module (PGM). Good for non-hazardous applications only, our PGM solution results in shorter installation and commissioning times, and reduces overall costs for our customers.

Where are thermoelectric modules used?

They are often used in remote locations where power is required but solar energy is unreliable or insufficient, such as offshore engineering, oil pipelines, remote telemetry and data collection. For power generation and waste heat recovery applications, Ferrotec offers thermoelectric modules that have been optimized for efficient performance.

Can I use a temperature differential module to generate DC electrical power?

Use one or more of our modules to generate DC electrical power from a temperature differential (e.g., hot surface) in a wide range of consumer and industrial applications.

What temperature is a thermoelectric generator?

Traditionally, thermoelectric generators and materials are divided into three categories based on their temperature ranges: low temperature (300° C), medium temperature (up to 550 ° C), and high temperature (up to 900 ° C).



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Shell Champion 7 PowerGen module

Benefits Easily expandable for future power upgrades Plug & play single lift PowerGen modules Many configurations with different fuel types Integrated electrical equipment Fully



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Thermoelectric Power Generation

Thermoelectric modules can be used to convert heat energy to electricity. Using a principle known as "the Seebeck Effect" a temperature differential between the two sides of a thermoelectric ...

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