



Gas Power Module



Technical Data*

50Hz

Continuous Power Output	1475kW
Engine Speed	1500RPM
3 Phase Voltage	400V / 230V
Size (LxWxH)	12.2 x 2.5 x 2.9m

*ISO Conditions

Installation
& Commissioning
in as fast as **30**
days

Characteristics

Reliable and fuel efficient engine

Automatic or manual paralleling

Automatic loading control

Local or remote operation

High ambient operating conditions

Low emissions

THE APR ENERGY (APR) GAS POWER MODULE is a highly efficient energy alternative for supporting fast-track power generation. Whether operating continuously in base load or as a peaking plant, this product, combined with APR Energy's comprehensive design, operation and maintenance support, ensures a reliable and efficient supply of electricity to our customers. The use of utility paralleling switchgear with the APR Energy Gas Power Module unit allows for automatic or manual paralleling with a utility power source.

The Gas Power Module uses a compact, four-stroke-cycle CAT® G3516C low-emission gas engine that can support a wide range of utility and industrial power generation applications, within the most extreme and demanding conditions. The engine combines durability with minimal weight, while providing exceptional dependability, economy and power density. The fuel system is designed for maximum performance on low pressure pipeline natural gas with a methane number range of 55–100.



The power module has an automatic load management system for utility base load, soft loading/unloading and power factor control. It also offers island-mode paralleling with other power modules and stand-alone operation with local or remote starting, synchronising and power control. The package design features minimal interfaces to ensure rapid installation and commissioning anywhere in the world.

The Gas Power Module's advanced control system allows for automatic operation, initiated locally or remotely by a SCADA system. On-going engine data logging is an important element of the control system that defines the scheduling of site maintenance activities. With local environmental impact becoming an increasingly important consideration, the Gas Power Modules are configured for market leading exhaust emissions performance.

For prime power generation applications the engine has superior efficiency over comparable engine-generator combinations. This results in excellent costs savings in fuel, maintenance and operating costs, as well as frequency and voltage stability.

The generation equipment is housed within a standard ISO 40' (12.2m) container, enabling APR Energy to easily utilise all modes of transport.