



Diesel Power Module



Technical Data*

50Hz

60Hz

Continuous Power Output

1400kW

1640kW

Engine Speed

1500RPM

1800RPM

3 Phase Voltage

400V / 230V

480V / 277V

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

Rugged and robust construction

Automatic or manual paralleling

Automatic loading control

Local or remote operation

Low emissions

THE APR ENERGY (APR) DIESEL POWER MODULE is a highly efficient energy alternative for supporting fast-track power generation. Whether operating continuously in base load, as a peaking plant, or as emergency standby power, 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 Diesel Power Module unit allows for automatic or manual paralleling with a utility power source.

The product uses a compact, four-stroke-cycle CAT® 3516B turbo-charged diesel 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 dependability and economy including a fuel system capable of operating on a variety of fuels.

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



Cyprus Moni | 120MW



Oman | 24MW



Indonesia | 24MW

remote starting, synchronising and power control. The package design features minimal interfaces to ensure rapid installation and commissioning anywhere in the world.

The Diesel 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 onsite maintenance activities. With local environmental impact becoming an increasingly important consideration, the Diesel Power Modules are configured for market leading exhaust emissions performance.

For prime power generation applications, the engine has superior cylinder displacement over comparable engine-generator combinations. This results in excellent transient response and more frequency and voltage stability.

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