



Developed to provide an off-grid power supply, integrating renewable- power and storage with LPG generator-power back-up to reduce carbon emissions by up to 98%. During daytime operation the energy created by the solar panels is harvested and stored in an on-board lithium ion battery pack. The standby generator is configured to run only when batteries are depleted. Energy performance is monitored remotely via an online portal and monthly energy performance certificates are produced. The LPG servicing packages ensuring an uninterrupted power supply.

Benefits

- Autonomous off-grid power supply
- Reduce environmental impact and carbon footprint
- Available in single or three phase configuration
- Can be used as direct replacement for diesel gensets upto 100 kW

Key Features

- Reduced Energy Costs.
- Reduce Environmental Impact and Carbon Footprint Increase
- Competitive Advantage
- Regulatory Compliance e.g. ISO 14001
- Enhanced Corporate Image and Reputation for Environmental Stewardship.

Additional Items



Fuel Tank



Distribution Board



Plugs & Leads



Fuel Servicing

Specifications



Electrical Properties

Rated Power	36kW
Max Apparent Power	43kVA
AC Nominal Voltage	400/230/115 V
Rated frequency/ voltage	50 Hz
Max Output Current	32 A
Operating range	25°C/+60°C



Mechanical Properties

Dimensions (lxwxh)	6.06 x 2.44 x 2.59 (m)
Weight Static	Approx. 3600kg
Load	5400 Pa (snow) 2400 Pa (wind)
PV Module Cover	High Transmission Glass



Generator

Maximum Power	26kVA
Rated Power	21kW



Energy Storage

Nominal Voltage Capacity	51.8 V
Capacity Electricity Storage	From 126 Ah From 15kWh