

COMMERCIAL & INDUSTRIAL SOLUTIONS

# Hybrid Power Generator

Reliable. Efficient. Sustainable.



Helix 3 Energy offers a range of hybrid power systems designed to seamlessly replace traditional diesel generators.

## KEY FEATURES:

- **Hybrid System:** Solar panels, lithium batteries, and a backup diesel generator deliver continuous power with seamless transitions, ensuring no downtime.
- **Environmental Impact:** Reduces diesel consumption by up to 700 litres per week, lowering CO<sub>2</sub> emissions by up to 2 tonnes.
- **Quiet & Efficient:** Low noise levels (as low as 63 dBA at 7 meters with diesel generator in operation), perfect for noise-sensitive environments.
- **Customisable Power:** With multiple output options and customisable generator run times for fuel efficiency or quiet operation.
- **Remote Monitoring:** Equipped with 4G telecommunications, GPS tracking, and cloud-based monitoring for remote control and real-time data insights.



[www.helix3.com.au/energy](http://www.helix3.com.au/energy)

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## APPLICATIONS:

### Construction Sites:

Powering temporary site operations with reduced diesel dependency.

### Remote Locations:

Reliable energy for areas with limited or no grid access.

### Mining Operations:

Sustainable power solutions for off-grid mining camps.

### Emergency Power Backup:

A dependable backup during outages or disaster recovery scenarios.

### Events and Outdoor Activities:

Clean, quiet power for festivals, fairs, and outdoor gatherings.

### Telecommunication Sites:

Continuous power for remote communication towers and infrastructure.

### Agricultural Operations:

Powering irrigation systems, processing equipment, and farm machinery in remote areas.

### Military and Humanitarian Missions:

Portable, renewable energy for field operations and disaster relief efforts.

### Offshore and Marine Applications:

Supplementary power for offshore platforms or vessels with renewable energy.

### Temporary Power for Industrial Projects:

Powering large-scale industrial projects and construction compounds.

## SPECIFICATIONS:

Model	15kVA	20kVA	50kVA	100kVA
Battery Capacity	20kWh	30kWh	60kWh	120kWh
Phase	Single Phase	Single & Three Phase	Three Phase	Three Phase
Backup Generator	20kVA diesel engine	30kVA diesel engine	50kVA diesel engine	100kVA diesel engine
Fuel Consumption	2.65L/hr @ 75% load	3.80L/hr @ 75% load	7L/hr @ 75% load	15L/hr @ 75% Load
Dimensions	4490mm x 4762mm x 2211mm (Deployed)	4300mm x 4200mm x 2200mm (Deployed)	4490mm x 4762mm x 2211mm (Deployed)	6100mm x 2440mm x 2590mm (Deployed)
Weight	2,000kg	2,600kg	4,040kg (combined generator and battery skids)	7,500kg
Wind Rating	35 m/sec (126 km/h)	35 m/sec (126 km/h)	38 m/sec (136 km/h)	38 m/sec (136 km/h)
Noise Level	66dBA at 7 meters	66dBA at 7 meters	63dBA at 7 meters	63dBA at 7 meters
Solar Array	4kWP	4kWP	8kWP	5kWP
Solar Expandable	Yes	Yes	Yes	Yes

*Different configurations and options available.*

## CONTACT US TODAY!

Contact us today to learn more about our products and how we can help you achieve your energy goals.

Helix 3 Energy Systems Pty Ltd

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