SOBOS Energy
Enabling the transition to renewables

The Future is Here: Mobile Renewable Power System (MRPS)

Clean. Silent. Mobile Power Systems

Remote, emergency, construction, events, or any situation where off-grid power is required

SOBOS Energy's advanced Mobile Renewable Power Systems (MRPS) is designed for remote sites, construction projects, emergency backup, and temporary power needs. Significantly reduce fuel consumption, CO2 emissions, and operational costs while ensuring uninterrupted, silent power supply.

98% less fuel

Renewable and clean energy that reduces carbon emissions and fossil fuel dependency

- Reduced fuel & emissions
- 18-70 kWh per day
- High efficieny inverters
- Silent operation

Flexible and reliable

Leading edge solar and battery system with back up generator for reliability and efficiency

- Self-contained simplicity
- LiFePO4 batteries
- Remote monitoring
- Uninterrupted supply

30% cost reduction

Significantly reduced fuel consumption and component wear results in less cost

- Reduced operating costs
- Reduced maintenance
- Reduced fuel costs
- Reduced carbon costs

Unlock reliable, off-grid power with superior efficiency, sustainability and reduced operating costs. The perfect alternative to conventional diesel powered generators is here.

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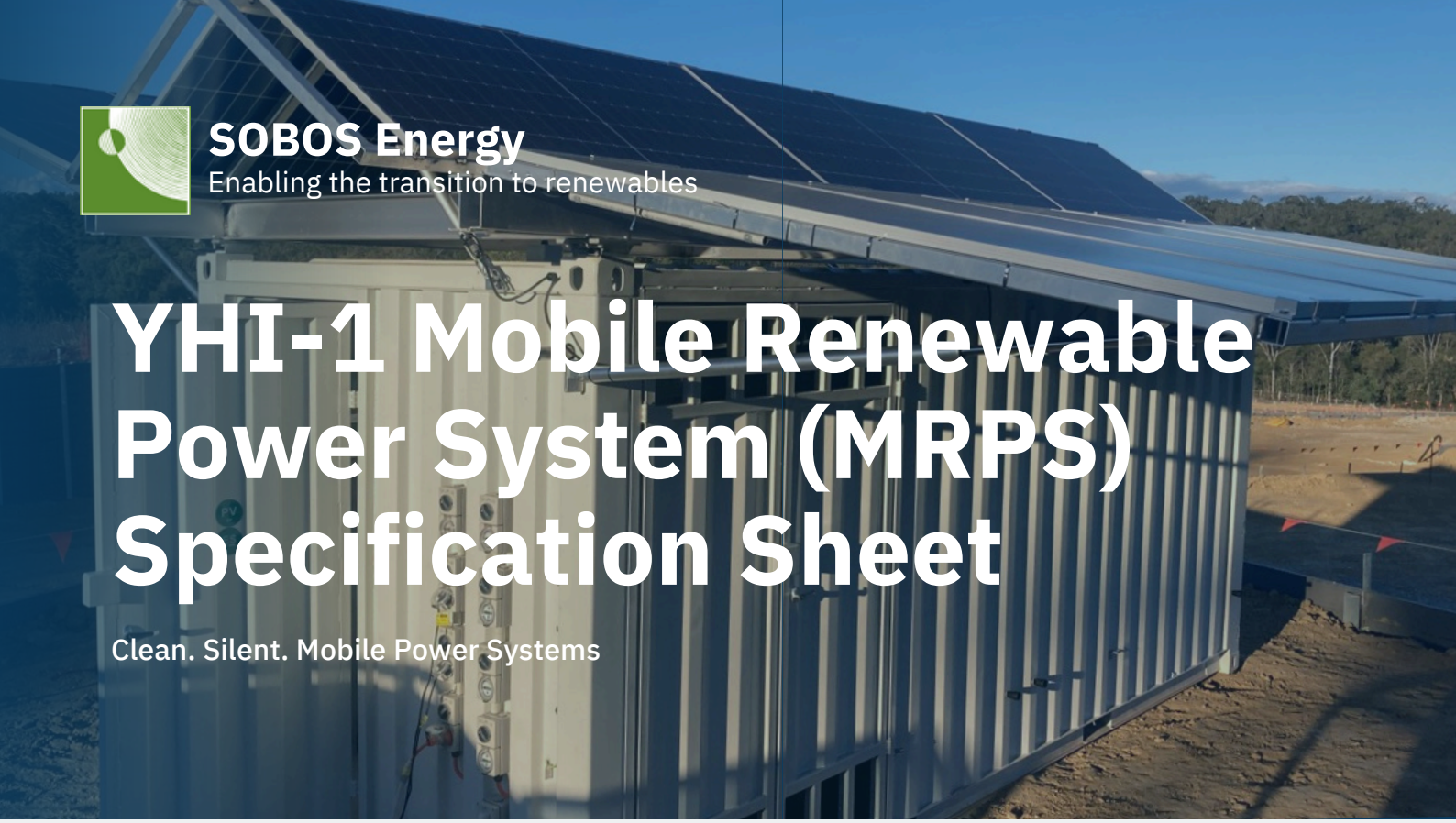

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YHI-1 Mobile Renewable Power System (MRPS) Specification Sheet

Clean. Silent. Mobile Power Systems

Model: YHI-1 Mobile Renewable Power System (MRPS)

The YHI-1 MRPS is a remotely monitored, self-contained power system providing 24/7 power through rechargeable lithium-ion battery storage combined with solar generation, and integrated back-up generation.

Easily transportable for rapid deployment for emergency power or any situation requiring off-grid power such as events, construction sites or field operations. The simple electrical interface supports connection to any building or electrical appliance enabling users to realise the benefits of reliable, clean power.

Performance Specifications

AC Voltage	240V
Phase(s)	Single
Frequency	50Hz
Energy Storage	45kWh
Power, max. cont.	15kW
Power, peak	25kVA
Internal DC Voltage	48V
Solar Array Cap.	10.44kW
Backup Generation	11kVA
Daily Generation	60-70kWh

Environmental Specifications

Operating Temp	-20 to 50C
Control Room Temp	Ambient
Operating Humidity	Up to 100%
Max. Elevation	3000m
Environment	Outdoor
Ingress Rating	IP67: Batteries, Solar
	Panels, Linear Actuators
	IP56: Wiring, Inverters
	Control Room
Noise level	<40dB at 7m

Mechanical Specifications

Dimensions (LxWxH) (transport)	7200 x 2640 x 3080mm
Dimensions (LxWxH) (deployed)	7200 x 7100 x 4052mm
Weight	3478kg
Dimensions (LxWxH) (Int. storage)	4800 x 2300 x 2390mm
Working Footprint	56.25 m^2

Typically replaces a 20-25 kVA diesel generator, contact for details

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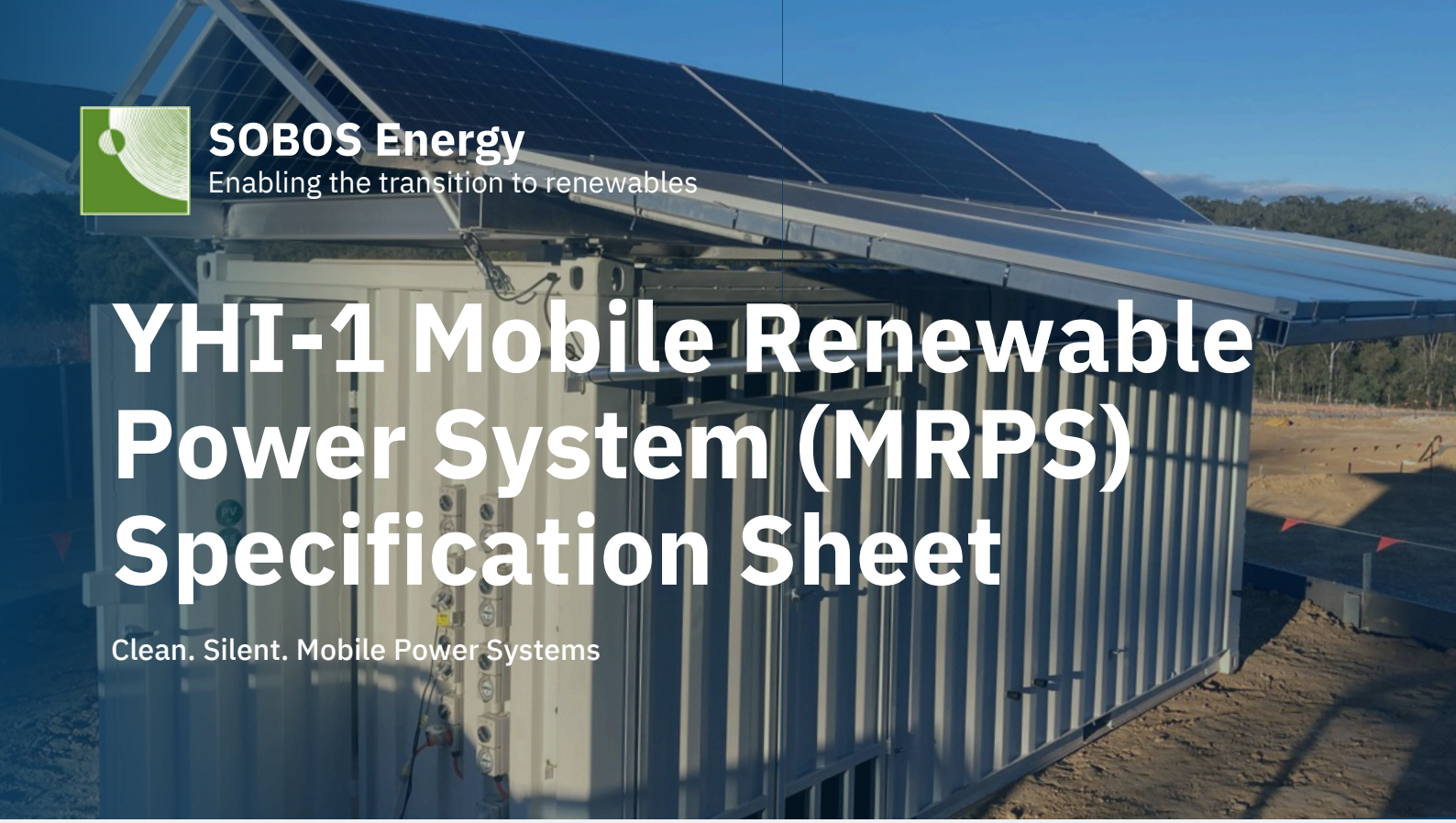

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