



# SOBOS Energy

Enabling the transition to renewables

## Case Study: Eumundi Noosa Road Mobile Renewable Power System (MRPS)



The SOBOS Energy WALA 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. Deployed to an SGQ road construction site operating on night shift, the system relied predominantly on battery storage to power through the night - and still achieved an 87% reduction in generator hours compared to conventional diesel setups running during daylight hours.

- ✓ **87% fewer generator run hours:** 7,579 hours saved - battery storage carried the load after dark.
- ✓ **87% less fuel consumed:** \$39,788 in fuel costs saved over 362 days of deployment.
- ✓ **50.0t less CO2 emissions:** Also cuts NOx, CO, PM & hydrocarbons - cleaner air, smaller footprint.
- ✓ **Night shift capable:** Silent <40dB battery operation ideal for noise-restricted sites and residential areas.
- ✓ **100% uptime:** 24/7 power via remote-monitored SOBOS platform with app-based system access.

### Reduction in Generator Run Hours



Number of days:	<b>362</b>
Conventional run-hours:	<b>8,688</b>
Actual run-hours:	<b>1,109</b>
Reduction in run-hours:	<b>7,579</b>

### Reduction in Diesel Fuel Consumption



Conventional cost:	<b>\$45,612</b>
Hybrid cost:	<b>\$5,814</b>
Fuel saved (\$):	<b>\$39,788</b>
CO2 savings (t):	<b>50.0</b>

### Site Load

- **3 x Site Offices (each with):**
  - 2 x Air Conditioners
  - Fridge
  - Lights
  - Microwave
  - Kettle
  - Toaster



Unlock reliable, off-grid power with superior efficiency and reduced costs.  
A smarter, cleaner alternative to diesel generators. Contact us to learn more.



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