

Coates
Equipped for anything

Power generation comparison



<p>Powering 4x 6 x 3m</p> <p>Low overnight load</p> <p>Moderate daytime load</p> <p>Based on typical load profile of 4kW at 12hrs and 1kW at 12hrs, 7 days a week.</p>					
	Conventional Diesel Generator 15kVA		Conventional Diesel Generator 15kVA using B7 (7%) Biodiesel Blend		Hybrid Diesel Generator 15kVA/16.6kWh + 3.6kW Solar)
	Fuel Usage (litres per week)		Fuel Usage (litres per week)		Fuel Usage (litres per week)
	255 L		255 L		111 L 56% reduction ↓
	Fuel Costs (per week)		Fuel Costs (per week)		Fuel Costs (per week)
	\$587		\$612		\$255
Silent Operating Time (per week)	N/A		N/A		128 hours
Battery Recharge Time (25-80% SOC)	N/A		N/A		2 hours
GHG (CO2e-) Emissions	689 kg/week		643 kg/week		300 kg/week
Downtime/ Maintenance Frequency	17 days		17 days		89 days
Operational Footprint (LxW)	1.9m x 0.9m x 1.3m		1.9m x 0.9m x 1.3m		Gen+BESS: 1.7m x 0.7m x 1.9m Solar: 4.5m x 2.2m x 0.3m

Looking for a zero pollutant option? Ask about our [Battery Energy Storage Systems](#).

Performance estimates are based on average manufacturer specifications and average operational use and conditions, using standard conversion factors (ie. CO2e- emission factor 2.7 kg/L) and fuel price at A\$2.30/L (A\$2.40/L for biodiesel B7 blend). Data provided above are approximations based on assumptions where same typical load profile used for all hybrid and conventional power systems.

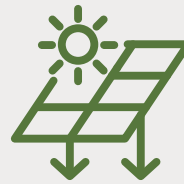
Why choose a hybrid power solution?

Lower operating costs



Hybrid power solutions reduce overall operating costs by lowering fuel expenses, reducing service requirements and generally offsetting any difference in hire costs.

Lower energy/fuel costs



By adding solar and battery technology, hybrid power solutions can reduce diesel consumption by up to 70%, leading to significantly lower fuel costs.

Less greenhouse gas emissions



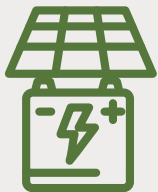
Properly sized hybrid power systems achieve significantly lower CO2e- emissions. Solar plays a key role, but any system with a battery will reduce generator run hours and deliver positive environmental outcomes.

Less pollutant emissions & noise



Hybrid power solutions are quieter and produce fewer pollutants than conventional machines, making them ideal for applications where diesel particulate and noise pollution are issues.

Optimised running



Due to their battery storage, hybrid power systems perform efficiently at low power output, minimising the unnecessary running of diesel engines in low or no power and improving reliability.

Reduced maintenance frequency



With fewer generator run hours, hybrid power systems require less frequent maintenance than conventional machines, reducing downtime and site disruption.

For more information, call 13 15 52 or visit [coates.com.au](https://www.coates.com.au)