



Hybrid Power Cell

This is the latest R&D project for Generator Rentals in response to finding a solution for;

- small loads needing long term 24/7 power
- no noise at night
- low fuel usage
- minimal environmental footprint

The Hybrid Power Cell combines a 10KVA diesel generator, 5KW Inverter battery system and 1,000 litre fuel tank providing uninterrupted power 24/7 for up to 3 - 5 months without requiring a refuel or technician to service it, making it an unequalled solution within the industry.

With 2 separate power sources – batteries and a diesel generator – the system has redundancy built in so is ideal for critical power supplies eg; traffic lights.

During normal use the batteries supply the load, when discharge to a pre-set level is reached the generator starts to recharge the batteries. Thus, the generator runs in its maximum efficiency zone during the charge cycle – typically 2 to 3 hours, once or twice a day depending on the load.

The Hybrid Power Cell can be set to ensure the batteries are fully charged before dark so there is no noise impact overnight particularly useful for use in residential areas.

Direct solar input is built into the unit so our solar skids can be attached for extended running without the generator – providing a ‘plug & play’ option so the entire system is extremely versatile and expandable as needed.

Full remote telematics of the entire system including batteries, generator and solar.

General Specifications

Generator	10KVA
Batteries	Lithium - 9,600watt hours
Inverter	5,000 watts @ unity power factor
Dimensions (Min)	2,440 x 1,200 x 1,680mm
Weight	2,400 Kg
Sound Level	0 – 66 dB(A) @ 7 metres
Tank Capacity	1,000 litres



Daily, weekly & monthly pricing available on request.

