

# SiteGrid

## Plug In Hybrid Power System 30 kVA & 45 kVA



SiteGrid, is a three phase hybrid power system offering a convenient and efficient method of delivering power to any environment without a grid connection. SiteGrid utilises generator power, and renewables if available, to store power in a sophisticated battery bank with a dedicated monitoring & control system, delivering silent power from the battery bank when needed. The generator will only be started when loads demand more power or, to top up the battery. Significantly reducing emissions, the size of generator required and operating costs.

In addition, for intelligent power management, SiteGrid has an optional Energy Management Unit (EMU) which allows six separate loads to be fed independently and programmed with their own unique schedules.



**Silent Power**  
Battery storage delivers silent power



**Fuel Saving**  
Save fuel by running generator less



**Remote Monitoring**  
Full control and monitoring of your hybrid system

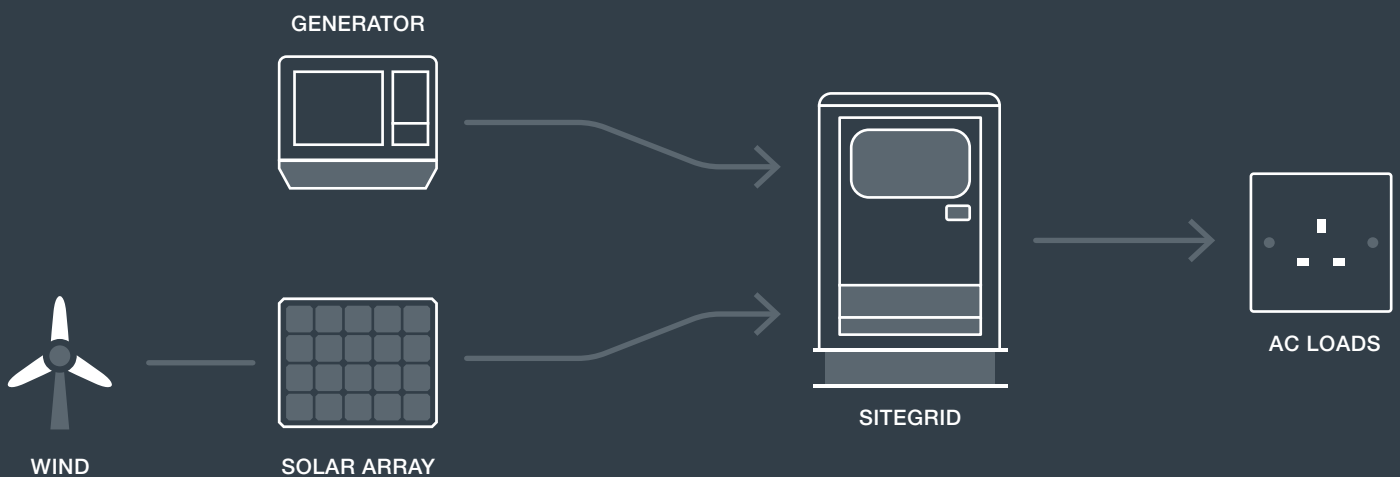


**Lower Emissions**  
Less generator run time reduces emissions

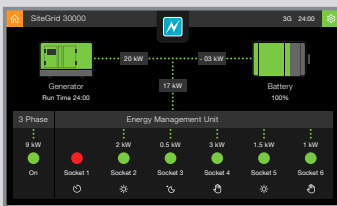


**Installation**  
Simple installation and configuration

## A SiteGrid hybrid power system



	SiteGrid 30000	SiteGrid 45000
Inverter Charger Model	3 x Victron Quattro 48V 10000VA	3 X Victron Quattro 48V 15000VA
Transfer switch	3 x 100A	3 x 100A
AC Input	380 - 415VAC 3PH	
DC voltage range	38 – 66 V	
Output Voltage	400VAC ± 2% Frequency: 50Hz ± 0.1% (1)	
Cont. output at 25 °C	27,000W	36,000W
Cont. output at 40 °C	24,000W	30,000W
Peak power	60,000W	75,000W
Outlets (Standard)	1 x 63A 3PH and 3 x 63A 1PH	
Operating temp. range	-20 to +50°C (fan assisted cooling)	
<b>MONITORING &amp; CONTROL</b>		
	Victron VRM + Optional Energy Management Unit	
<b>BATTERIES</b>		
Type / Quantity	2V x 48	2V x 48
Cyclic Life (50% dod)	2000	
Type	Thin Plate Pure Lead	
Capacity	70kWh (Usable 35kWh)	
<b>ENCLOSURE</b>		
Dimensions (mm)	1861x1007x1630 (WxDxH)	2100x1007x1630 (WxDxH)
Weight	3000kg	3150kg
Lifting options	Fork & Centre Point	



### Energy Management Unit (EMU)

In addition, for intelligent power management, SiteGrid has an optional EMU which allows six separate loads to be fed independently and programmed with their own unique schedules.

April 2019



### Made in the UK

Designed and built in the UK by Energy Solutions – with over 20 years of electrical power experience, each unit is manufactured to the exacting standards required for standalone power sources.

### Warranty and Service

The unit is covered by our own one year warranty, and the Victron power electronics are covered with a 5 year limited warranty.

Images are for illustrative purposes only and actual products and examples may differ from those shown. All details correct at time of going to press but subject to change. E & EO."