

EasyGrid Lithium

Plug In Hybrid Power Units for Remote and Off Grid Environments.



Our EasyGrid range brings a plug in hybrid power solution to any location without a mains grid connection. A pre-configured, self-contained unit built from durable, high quality components; fully tested and ready to install.

The hybrid power unit connects to a generator, and renewables if available, storing energy in its battery bank until needed. When power requirements are low - silent, emission free electricity is supplied from the battery bank, allowing more cost efficient use of the generator which does not need to run 24/7 and only starts when the loads are high or the batteries need to be topped up.

The EasyGrid Li range utilises Lithium batteries for the battery bank, giving them a number of advantages over traditional batteries – they are faster to charge, offer a longer life expectancy and deliver greater power capacity from a lighter unit – which can offer huge advantages in remote locations.

Benefits of lithium battery storage over lead acid battery storage



longer service life
up to 5000 cycles



99% round trip
efficiency



super fast
charging

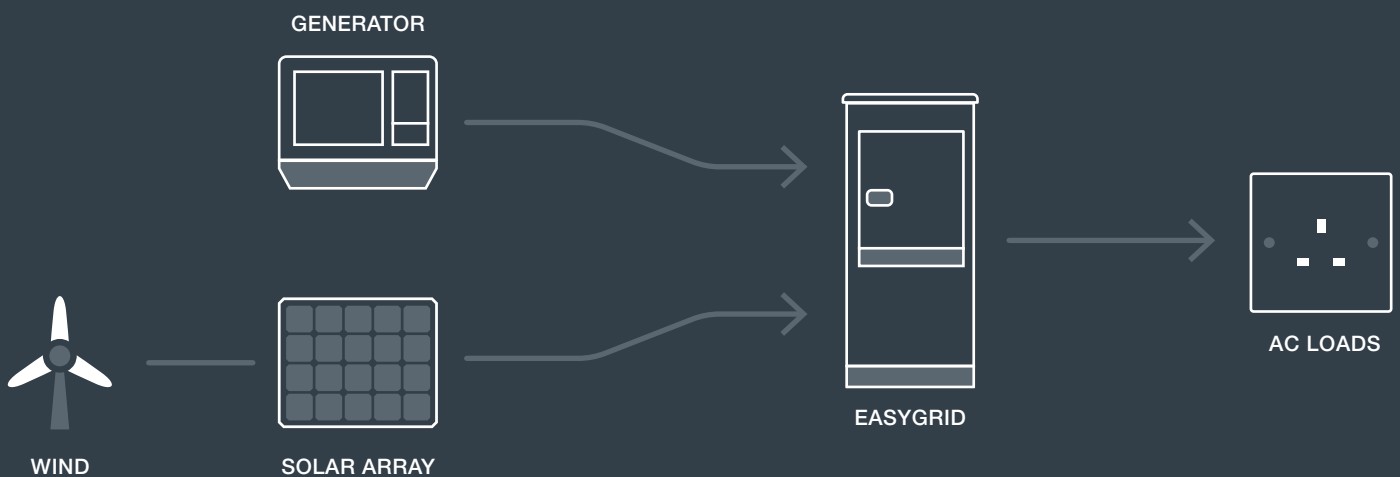





low
self-discharge



increased
usable capacity

An EasyGrid hybrid power system



	EasyGrid 3000Li	EasyGrid 5000Li	EasyGrid 10000Li
			
Inverter Charger Model	Victron MultiPlus 48V 3000VA	Victron MultiPlus 48V 5000VA	Victron Quattro 48V 10000VA
Transfer switch	50A	100A	
AC Input	187 - 265VAC 1PH		
DC voltage range	38 – 66V		
Output Voltage	230VAC ± 2% Frequency: 50Hz ± 0.1% (1)		
Cont. output at 25 °C	2400W	4000W	9000W
Cont. output at 40 °C	2200W	3700W	8000W
Peak power	6000W	10,000W	20,000W
Outlets (Standard)	1 x 32A 1PH		1 x 63A 1PH
SOLAR CHARGE CONTROLLER			
Model	Victron BlueSolar Charge Controller		
Max output current	70A	85A	
Max PV power suggested	4kW max.	6.8kW max.	
Max PV open circuit voltage	150V	250V	
Operating temp. range	-20 to +50°C (fan assisted cooling)		
MONITORING			
Victron VRM	Yes		
BATTERIES			
Type / Quantity	48V x 3	48V x 4	48V x 8
Cyclic Life	5000		
Type	Lithium Iron Phosphate		
Capacity (70% DOD)	7.68kWh (Usable 5.38kWh)	10.24kWh (Usable 7.17kWh)	20.48kWh (Usable 14.35kWh)
ENCLOSURE			
Dimensions (mm) (WxDxH)	680x870x1460	680x870x1460	1513x824x1304
Weight	320kg	370kg	694kg
Lifting options	Fork & Corners		

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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."