



# Hybrid Portable

Robust and lightweight hybrid power, 0.5kVA – 3kVA

The smallest option in our Hybrid power range – Hybrid Portable – offers a robust, compact, mobile energy source for off grid and remote applications. We work with clients to ensure that each hybrid portable power solution fits their exact requirements.

Built for powering everything from CCTV to emergency radio systems Hybrid Portable offers 0.5kVA to 3kVA of power housed within the strongest of cases to withstand the toughest of conditions and transportation methods.

These systems use the latest lithium battery technologies to provide a lightweight, silent power source for demanding applications. The loads can be plugged in directly to the case and offer instant, silent power.

Power to charge the battery store can come from renewable sources, mains power, portable generator or an auxiliary vehicle power supply. This makes the unit an ideal solution for rapid deployment in remote locations, particularly where silent power is a main consideration.



#### Silent Power

Battery storage delivers silent power



#### Plug and Play

Quick and easy installation reduce on site time



#### Reduced Emissions

Reduces overall emissions (NOx CO2) and reliance on fossil fuels



#### Robust design

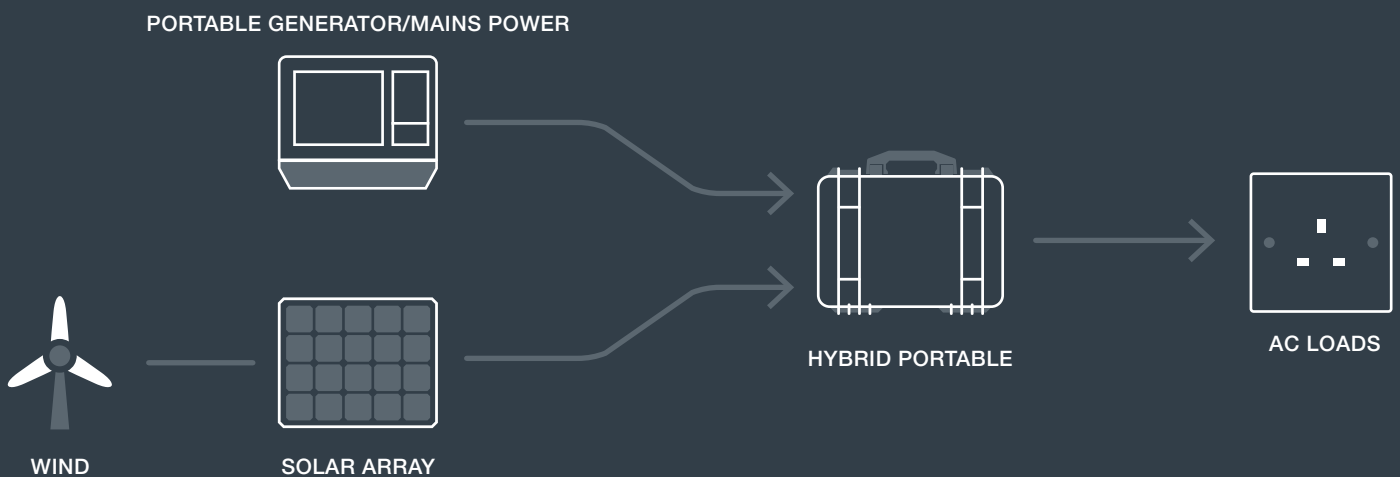
Units can be used in extreme environments



#### Renewables

Connect solar PV, wind and/or micro hydro

## Hybrid Portable power system



	0.5kVA Hybrid Portable	1.6kVA Hybrid Portable	3kVA Hybrid Portable
Inverter Charger Model	Victron MultiPlus 12V 500VA	Victron MultiPlus 12V 1600VA	Victron MultiPlus 48V 3000VA
Transfer switch	1 x 16A		
AC Input	187-265VAC 1PH		
DC Voltage Range	38 – 66V		
Output Voltage	230VAC +- 2% Frequency: 50Hz +- 0.1%		
Cont. Output at 25 °C	430W	1300W	2400W
Cont. Output at 40 °C	400W	1100W	2200W
Peak power	900W	2800W	6000W
Outlets (Standard)	1 x 16A 1PH		
Operating Temp Range	-5°C to +40°C (fan assisted cooling)		
<b>MONITORING &amp; CONTROL</b>			
	Victron VRM		
<b>BATTERIES</b>			
Type / Quantity	1 x 12V		1 x 48V
Cyclic Life (70% DOD)	3000		
Type	Lithium Ion Phosphate		
Capacity	768Wh (Usable 538Wh)	1.15kWh (Usable 0.81kWh)	5.75kWh (Usable 4.03kWh)
<b>AC INLET</b>			
Inlet (Standard)	1 x 16A		
<b>ENCLOSURE</b>			
Size	632mm x 632mm x 364mm (L x W x D)		
Weight	33kg	44kg	65kg
Protection	Corrosion-proof, Crush-proof, Dust-proof, Water-proof		
IP Rating	IP67 (When sealed)		

Aug 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."