

INTRODUCING THE



RESIDENTIAL ENERGY STORAGE SYSTEM

Craig & Derricott would like to introduce our own energy storage system to the UK residential market.

This Energy Storage System consists of a modular 2.6kWh energy storage battery and a 3-5kW Single Phase LV Hybrid Inverter system. It is a highly competitive, flexible new product that can be paralleled to deliver 2.6kWh, 5.2kWh, 7.8kWh storage and above.

This bi-directional energy storage system can be used for on-grid PV systems, with the ability to control the flow of energy intelligently. During the day, the PV array generates electricity which can be provided either to the loads, fed into the grid or charge the battery, depending on the economics and set-up. The stored electricity can be released when the loads require it during the night. Additionally, the power grid can also charge the storage devices via the inverter. An all-round intelligent system for maximum energy flexibility.

This unit is a perfect pairing for new solar and storage installations or for adding energy storage to an existing Solar PV System.

KEY FEATURES

- "Installer-friendly" plug & play, lightweight, easy to handle
- Using LiFePO4 technology - widely regarded as the fastest type of lithium batteries
- Adaptable - batteries can be paralalled together
- Increase & enable a range of storage capacity
- Value for money - very competitive pricing
- IP65* dustproof and waterproof enabling indoor & outdoor siting options
- Ideal for both retrofit and new-build installations
- Fanless, long lifespan



BATTERY TECHNICAL DATA

Capacity	2.61Wh/51Ah
Voltage	51.2V
Technology	LiFePO4
IP Grade	IP65*
Depth of Discharge	90%
Operating Temperature	Charging 0 - 45°C/Discharging - 10 - 55°C
Dimensions	W 610 x H 350 x D 170mm
Weight	30KG

INVERTER TECHNICAL DATA

Battery Input Data	
Nominal Battery Voltage	48V
Max Charging Current	50A
Max Discharging Current	50
PV String Input Data	
Max DC Input Power	4600W
Max DC Input Voltage	550V
Mppt Range	100 - 500V
Start-Up Voltage	125V
Nominal DC Input Voltage	360V
Max Input Current	11/11A
Number Of Mppts	2
AC Output Data (On-Grid)	
Nominal Power Output To Utility Grid	3680W
Max Apparent Power Output To Utility Grid	3680VA
Nominal Output Voltage	230V
Max AC Current Output To Utility Grid	16A

AC Output Data (Back-Up)	
Max Output Apparent Power	2300VA
Peak Output Apparent Power	3500VA, 10 sec
Nominal Output Voltage	230V (2%)
Max Output Power	10A
Efficiency	
Max Efficiency	97.6%
Max Battery To Load Efficiency	94.5%
General Data	
Operating Temperature	-25 -60°C
Cooling	Natural Convection
User Interface	LED & APP
Weight	17KG
Dimensions	W347 x H 432 x D 175 mm
IP Grade	IP65
Standby Self-Consumption	<13W



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