



GreenPowerHire

Datasheet

45kVa Battery System

Lithium Ion Battery System

- The latest battery technology, longer life, faster re-charge and higher energy density.

10 Remotely Programmable

Output Sockets - Control power to site, turning off the non essential loads during the night and intermittently powering drying rooms to minimise power consumption.

Auto Fail Safe Bypass - In

the event of a fault the system will automatically bypass itself restoring power to site.

Silent Operation -

The battery system is inaudible over the background noise

7 Day Remotely Programmable Timer -

Control the generator start/stop times on different days of the week to minimise generator running and avoid weekend running where possible.

Harness Renewable

Energy - Wind Turbine and solar ready allows easy connection of on site renewable generation.



Automatic Load Shedding

- The battery will automatically shed load to the non essential circuits if the battery capacity is depleted to a pre-set level.

Multiple Battery

Communication - Connect multiple battery systems together with intelligent communication between the systems.

Daylight Sensor - Any

socket can be controlled based on daylight, automatically turn on and off your site perimeter lighting for example.

kWh Energy Meter -

Just like your house the battery can report weekly meter readings to give full transparency of energy consumption.

Advanced Remote Monitoring System - Realtime and

historic data of generator runtimes, fuel savings, CO2e reduction and power/energy profiles.



GREEN POWER HIRE

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Inverter		
Inverter Capacity	45kVA (x3 Victron Quattro 15kVa)	
Cont. output 25°C	45 kVA	
Cont. output 40°C	37.5 kVA	
Peak Power (5 seconds)	70 kVA	
Battery		
Battery Capacity	45kWh - LiFePO4	75 kWh - LiFePO4
Maximum Charge Current	50A per phase	
Maximum Charge Speed (30 - 90%)	45 minutes	75 minutes
Weight	1350 kg	1550 kg
DC Voltage Range	38-66VDC	
Input		
Input Connection	125A 3ph & 16A 1ph IEC60309 (CeeForm)	
AC Input (Recommended)	380 - 415VAC 3ph	
AC Input (Range Limits)	320 - 458VAC 3ph 187 - 265VAC 1ph	
Internal Passthrough	3x 100A	
Output		
Output Connections (Timer Controlled)	x1 125A 3ph IEC60309 (CeeForm) x3 63A 1ph IEC60309 (CeeForm) x5 32A 1ph IEC60309 (CeeForm) x1 16A 1ph IEC60309 (CeeForm)	
AC Output	400VAC \pm 2% Frequency 50Hz \pm 0.1% 230V \pm 2% Frequency 50Hz \pm 0.1%	
Auto Start Connection	2 bare wire non voltage open/close, 4mm binding post	
Earthing	The inverters automatically form a neutral to earth bond when inverting. When running from generator, it relies on there being a neutral earth bond in the generator. It should be treated as a TN-S supply. The earth stud at the bottom of the control panel, input and output earth and the chassis earth are all bonded together within the unit.	
Enclosure		
Dimensions	W 1126mm x L 2162 x H 1892mm	
Lifting Options	Side Forklift Pockets & Centre Lifting Point	
Operating Temperature	-10 to 40°C	
Certifications	2016 No 1101 The Electrical Equipment Safety Regulations 2016 2016 No 1091 The Electromagnetic Compatibility Regulations 2016 2012 No 3032 The Restriction of the Use of Hazardous Substances in Electrical and Electronic Equipment Regulations 2012 EN-IEC 63000:2018, EN-IEC 61000-3-2:2014, EN-IEC 61000-3-11:2019, EN-IEC 61000-3-12:2011, EN-IEC 61000-6-1:2007, EN-IEC 61000-6-2:2005, EN-IEC 61000-6-3:2007/A1:2011/AC:2012, EN 55014-1:2006/A1:2009/A2:2011, EN 55014-2:1997/A1:2001/A2:2008, EN-IEC 62040-2:2018, EN-IEC 60335-1:2012/A11:2014, EN-IEC 60335-2-29:2004/A2:2010, EN-IEC 62109-1:2010, EN-IEC 62109-2:2011, EN-IEC 62040-1:2009/C1:2009/A1:2013.	