

65kVA Generator 30kVA/50kWh BES HybridPowerSafe™

HybridPowerSafe™ Specification Sheet

The Stuart Power Hybrid PowerSafe is a universal Battery Energy Storage system (BES) ideally suited to a range of applications, delivering reliable power in the most cost effective and environmentally sensitive way.



- Reduce Fuel Consumption, noise
 & pollution
- Sound attenuated enclosure
- Control panels with remote monitoring
- Generator and Li-Ion battery power
- Safe & secure in a custom built enclosure
- Large bunded integral fuel tank with remote fuel monitoring
- Forklift pockets



HybridPowerSafe™					
Generator	Hybrid	Length (mm)	Width (mm)	Height (mm)	Weight Inc fuel (kg)
65kVA	30kVA/50kWh	3955	2438	2736	7248

65kVA P65-6					
Size kVA	Fuel Capacity (Lt)	50% Load (LPH)	75% (LPH)	100% Load (LPH)	Sound Pressure Levels (dBA) 7M 75% Load
65kVA	1360	8.1	12.1	16.6	TBC

Socket Specification					
Application	Sockets				
Generator	Direct Passthrough 1 x 63amp 3ph				
Hybrid	3 x 16amp 1ph	6 x 32amp 1ph	1 x 32amp 3ph	1 x 63amp 3ph	1 x 125amp 3ph



Battery Energy Storage (BES) System Specification Sheet

Instruments, controls & connection	S
Inverter protection Short Circuit	✓
Inverter protection Overload	✓
Inverter protection Over Temperature	✓
Inverter protection Low Battery	✓
System status control panel	✓
Battery condition	✓
Battery main isolator	✓
GSM Remote Monitoring device	✓
Automation generator auto-start signal	✓
Input 16A 400/230V IEC 60309 3ph	1
Input 63A 400/230V IEC 60309 3ph	1
Input connection	IEC 60309 or hardwire stud

Output Specification		
Output Power (Continuous)	kVA	30
Output Power Peak (5s)	kW	60
Voltage	V	400/230
Frequency	Hz	50
Phases		3

Battery Specification		
Battery Type		Li-Ion NMC
Battery rated voltage	V	55.5
Battery design life (to 80% DoD)	cycles	3000
Battery nominal capacity (sizes)	kWh	50
Usable energy AC side (80% DoD)	kWh	40

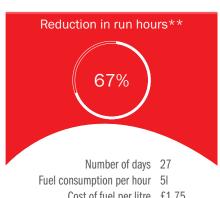


"How long will the unit last on a single charge?"

The most common question asked and the answer depends entirely on how fast the stored energy is used up. Power usage is not always steady so it's difficult to be specific but, as a guide, the information below shows the typical savings based on average power use over a one month period.

HS2 Project Saving Period: 1st - 27th August | Fuel Costs Saved: £3408.00 CO2 Savings: 5734.71kg





Cost of fuel per litre £1.75 Normal run hours for this period 648:00 Actual run hours for this period 213:33 Reduction in run hours 434:26



Conventional Generator Run Time 648:00 5670.00 Cost (£) Hybrid Generator Run Time 213:33 Cost (£) 1866.00 Fuel Saved (£) 3804.00

POWERING INDUSTRY SOLUTIONS NATIONWIDE

North West Depot Park Industrial Estate Gaskell Street, St Helens **WA9 1PX**

North East Depot Middleplatt Road **Immingham DN40 1AH**

West Midlands Depot Diglis Trading Estate Navigation, Road, Worcester WR5 3DE

East Anglia Depot Stuart House, Hargham Road Shropham, Norfolk **NR17 1DT**

