

# PowerSkid

## Select Power Solutions

### Specification Sheet



Energy storage solutions for the future using second life batteries



The PowerSkid is a battery energy-storage system with a power output of 100 kW (performance) or 80 kW (endurance). It is available as a turnkey, user-friendly solution for mobile and other kinds of off-grid applications, such as building sites and events, to deliver emission- and noise-free electric power on location.

The PowerSkid is also available tailored for stationary applications, such as peak shaving for industrial and commercial power consumers. Each PowerSkid is fitted with second-life batteries equivalent to three to six electric vehicles.

PARAMETER	VALUE	REMARK
Product name	PowerSkid – build V2	
Type	Mobile off-grid Battery Energy Storage System	Also available as Stationary version
Nominal rated power	Performance: 100 KVA Endurance: 80 KVA	Continuous (at 25C ambient temperature)
Overload power	Performance: 140 KVA Endurance: 115 KVA	Maximum 5 minutes every 30 minutes (at 25C ambient temperature)
Peak power	Performance: 170 KVA Endurance: 130 KVA	Maximum 10 seconds every 60 minutes (at 25C ambient temperature)
Rated battery capacity BOL	Performance: ±160 kWh Endurance: ±300 kWh	At AC-side
Minimum capacity EOL	Performance: ±115 kWh Endurance: ±210 kWh	During 5 years
Nominal grid voltage	400 Vac	UAC nom
Nominal grid voltage range	±10 % of UAC nom	
Frequency	50 Hz	±5 Hz
Grid configuration on-grid	3 ~ 400Vac (phase to phase) + Neutral + PE	TN Grid
Grid configuration off-grid	3 ~ 400Vac (phase to phase) + Neutral & PE coupled	TN-S Grid
Input interface	400 A	

PARAMETER	VALUE	REMARK
Output interface	400 A	
Output interface	1x 125A, 1x 63A 1x 32A CEE plug, 2x16A Shucko	
Protection devices	RCD and Isolation monitor (selectable)	
Other interfaces	Generator start command, 16A auxiliary input, Time Shift DC-link	
Max. short circuit level	24 kA	
Colour	RAL 7035	
Dimensions	2.800 x 1.200 x 1.950	L x W x H in mm
Battery cell chemistry	Performance: Lithium Iron Phosphate (LiFePO4) Endurance: Nickel Manganese Cobalt (NMC)	
Weight	Performance: 4.200 kg Endurance: 5.200 kg (estimation)	
IP-rating	IP 54	
Ambient temperature	-10 to +40 degrees	
Standards	Low Voltage Directive 2014/35/EU EMC 2014/30/EU	IEC 61439-1 EN61000-6-2, EN61000-6-4
Other standards	IEC 60364 NEN 3140 CE/UKCA	
Guidelines	DVN-GL Recommended Practice PGS-37	

## Contact

### Main Contact

**Ian Fleming**

Product Leader

Mobile: +44 7825 898272

Email: [ijfleming@selectsitesolutions.com](mailto:ijfleming@selectsitesolutions.com)

### Select Hire Desk

Email: [powersolutions@selectsitesolutions.com](mailto:powersolutions@selectsitesolutions.com)

### Address

Select Power Solutions  
Bridge Place One  
Anchor Boulevard  
Admirals Park  
Crossways  
Dartford  
Kent  
DA2 6SN