

# Second life batteries for reliable, cleaner power

A self contained system with **second life batteries**, inverter and distribution built into a robust, transportable housing.

Operates in **on-grid** and **off-grid** applications.



## On Grid

Powerskid can connect to grid connection and boost it when needed for site peaks.



**Before Powerskid** – Grid is insufficient to power site peaks so generator is used.

**After Powerskid** – Powerskid charges when site load is low, then adds power to the grid peaks when needed.

## Diesel Off-Grid

Powerskid can form island grid when no grid connection available. System can be implemented with generator in a hybrid system.

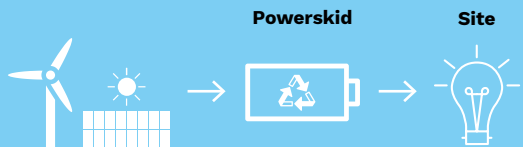


**Before Powerskid** – Generator runs 24/7 to power site, even when on very low loads.

**After Powerskid** – Generator is now controlled by the Powerskid and runs less than 1/3 of the time, only at efficient rates.

## Clean Off-Grid

System can be recharged from renewables in a hybrid system too.



Find out more at [www.zenobe.com](http://www.zenobe.com)

## Parameter

## Value

Product name	PowerSkid
Type	Mobile off-grid Battery Energy Storage System
Nominal rated power	100kW
Overload power	140kW
Peak power	170kW
Rated battery capacity	160kWh
Nominal grid voltage	400Vac
Nominal grid voltage range	±10% of UAC nom
Frequency	50Hz
Grid configuration on-grid	3 ~ 400Vac (phase to phase) + Neutral + PE
Grid configuration off-grid	3 ~ 400Vac (phase to phase) + Neutral & PE coupled
Input interface	400A Powerlock
Output interface	400A Powerlock 1 x 125A, 1 x 63A, 1 x 32A CEE plug, 2 x 16A Shucko
Protection devices	RCD and Isolation monitor (selectable)
Other interfaces	Generator start command, 16A auxiliary input, DC link
Max. short circuit level	24kA
Dimensions (L x W x H)	2.800 x 1.200 x 1.950m
Battery cell chemistry	Lithium Iron Phosphate (LiFePO4)
Weight	4.200kg
IP-rating	IP 54
Ambient temperature	-10 to +40°C
Standards	Low Voltage Directive 2014/35/EU EMC 2014/30/EU
Other standards	IEC 60364 NEN 3140 CE/UKCA
Guidelines	DVN-GL Recommended Practice PGS-37