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## Gorban Power Battery Energy Storage System

[www.gorban-generator.com](http://www.gorban-generator.com)





## Battery Energy Storage System

Gorban Power Battery Energy Storage System provides a flexible, scalable solution for a wide range of energy applications, including construction, mining, and industrial sectors. Designed for easy integration, our system offers a plug-and-play setup that significantly reduces both carbon emissions and operating costs.



### FEATURE

#### KEY

Reduce energy costs by efficiently operating with the grid, minimizing peak demand charges.

Ensures continuous power availability even during grid outages, giving you energy security whenever needed.

Harness power when demand is highest, significantly reducing your carbon footprint.

Be compatible with renewables, fossil fuels, and the grid, offering a robust and long-life solution

#### Basic Data

Nominal Rated Power (kW)	30kW
Rated Voltage at 50Hz, phase 3	380V/400V/415V
Rated Frequency	50/60 HZ
Effective Capacity (kWh)	60 kWh

#### Battery (LiFePO4)

Cell Chemistry	LiFePO4
Battery Capacity (kWh)	60kWh
Battery management system	Automotive BMS
Cyclic Life at 0.5C@90%DOD	6000 Cycles
Charger Current at 0.5C	50A
Discharge Current at 0.5C	50A

#### Inverter PCS

Max. Current (AC)	47 A
Rated Frequency	50/60Hz
Power Factor	1 lagging~ leading
Rated Voltage	400Vac/415Vac
Output Power	30KW Rated
Max. Efficiency	97.30%

#### Controller EMS

Industrial-Grade Touchscreen	Intuitive,durable display with configurable settings for easy control and monitoring
Data Visualization	Clear, real-time energy metrics and system performance insights



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