



GIMBORN
TRADING

Power
to
you



Lithium LiFePo 4

Why our battery?

When you choose a Lithium battery, costs are always a point of concern. Do I need a BMS? Is it compatible with my charge controller? What about my Inverter? Which communication cable do I need? What is the maximum amount of lithium batteries for parallel connection?

Important technical details to know before you even start to go on calculations on your project. As we are aware of all these questions, we focused on a simple design that fulfills the requirements on the market. From a small cabin for the weekend to bigger systems on farms, restaurants and hotels located off-grid.

The GCell LiFePo4 battery was designed for all these requirements. It is easily scalable and does not need any kind of communication, which makes this storage one of the unique solutions in the solar market.

GCell Battery LiFePo4		
	12 V	12 V
Nominal Voltage	12,8 V	12,8 V
Nominal Capacity	2,5 kWh	5 kWh
Discharge Cut-Off	12 V	12 V
Charge Current	60 A	120 A
Cont. Discharge	60 A	120 A
Peak Discharge (instant)	100 A	200 A
Charge Temp.	0°C to 45°C	
Discharge Temp.	-10°C to 50°C	
Life Cycle	≥6000 times	
Communication	Built in BMS, no external communication needed	

Weights & Dims		
Size (cm)	35x21x23	48x26x23
Weight (kg)	20	35



Built-in
BMS
see
next page



Solar Charge Controller Settings		
	12 V	12 V
Re-Bulk	12,8 V	12,8 V
Bulk / Absorb	13,8 V	13,8 V
Absorb Time	6 min	
Float	13,6 V	13,6 V
Equalize	Disabled	
Temp. compensation	Disabled	

Inverter Battery Charger Settings		
	12 V	12 V
I. Low Voltage disconnect	12 V	12 V
I. Generator start voltage	12,5 V	12,5 V
I. Generator stop voltage	13,6 V	13,6 V

Built-in BMS

High Quality Battery Monitor System

Each battery comes with a complete battery monitoring system and protection module to ensure safety and manage the proper charging process.



Built-in Features

