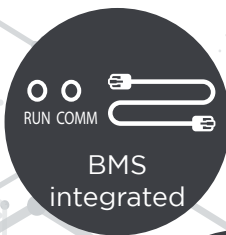
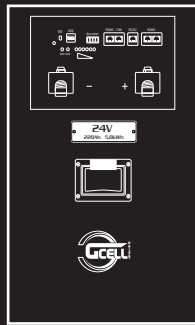
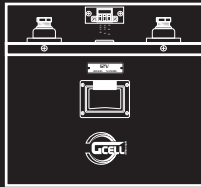
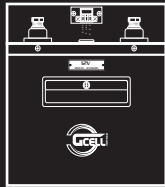




Lithium LiFePo 4
POWER TO YOU



BMS
integrated



Scalable, no
limits



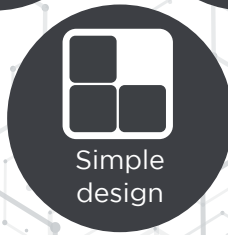
15 years of
warranty



8.000
cycles



All kinds of
systems



Simple
design



Easy
installation

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.



Download the manual

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G-Cell LiFePo4 Battery

	48 V		24 V		12 V	
Nominal Voltage	51,2 V	51,2 V	25,6 V	25,6 V	12,8 V	12,8 V
Rated capacity	11,7 kWh	8,8 kWh	5,8 kWh	8,8 kWh	2,5 kWh	5 kWh
	228 Ah	172 Ah	228 Ah	345 Ah	200 Ah	400 Ah
Discharge cut-off	48 V	48 V	24 V	24 V	12 V	12V
Charge Current	60 A	50 A	60 A	50 A	60 A	120 A
Cont. Discharge	60 A	50 A	60 A	50 A	60 A	120 A
Peak Discharge (instantaneous)	100 A		100 A		100 A	200 A
Charge Temp.	0°C to 45°C		0°C to 45°C		0°C to 45°C	
Discharge Temp.	-10°C to 55°C		-10°C to 55°C		-10°C to 55°C	
Life Cycle	≥8.000 cycles		≥8.000 cycles		≥6.000 cycles	
Communication	BMS built into the battery, no external communication needed					
Mounting type	Ground	Wall	Ground	Wall	Ground	Ground

- Compatible with all inverters/MPPT (The inverter/charger and MPPT must be programmable in load values).
- No communication needed.
- Unlimited parallel connection.

Charge regulator (MPPT)

	48 V		24 V		12 V	
Re-Bulk	52V	52 V	26 V	26 V	13 V	13 V
Bulk / Absorption	55,2 V	55,2 V	27,6 V	27,6 V	13,8 V	13,8 V
Absorption time	12 minutes		12 minutes		12 minutes	
Flotation	54,2 V	54,2 V	27,1 V	27,1 V	13,6 V	13,6 V
Equalization	Disabled		Disabled		Disabled	
Temperature compensation	Disabled		Disabled		Disabled	

Inverter / Charger

	48 V		24 V		12 V	
Inverter Low Voltage disconnect	48 V(100% DOD) 50 V(80% DOD)	48 V(100% DOD) 50 V(80% DOD)	24 V(100% DOD) 25 V(80% DOD)	24 V(100% DOD) 25 V(80% DOD)	12 V(100% DOD) 12,5 V(80% DOD)	12 V(100% DOD) 12,5 V(80% DOD)
Inverter Generator start voltage	50,4 V	50,4 V	25,2 V	25,2 V	12,6 V	12,6 V
Inverter Generator stop voltage	54,4 V	54,4 V	27,2 V	27,2 V	13,6 V	13,6 V

Weights & Dims (battery)

	48 V		24 V		12 V	
Size (cm)	52x25x53	16x57x75	41x25x42	16x57x75	35x21x24	48x26x24
Weight (kg)	87	71	46	71	24	44

Weights & Dims (box)

	48 V		24 V		12 V	
Size (cm)	63x46x64	68x86x40	52x47x53	68x86x40	-----	-----
Weight (kg)	103	96	59	96	-----	-----