



LFP/LiFePO<sub>4</sub> (Lithium Ferrophosphate) batteries are one of the safest varieties of lithium ion batteries. The technology is characterized by high energy density. LiFePO<sub>4</sub> batteries stand out durability, long service life, high efficiency electricity, work safety and increased resistance to improper operating conditions

## BMS

### Electrical Parameters

Nominal Voltage	48V
Nominal Capacity	100Ah
Energy	4800Wh
Internal Resistance	≤ 20mΩ
Cycle Life	>2000 cycles 100% DOD
Self-Discharge	>5000 cycles 80% DOD
Max. Parallel (P) connection	15P

### Charge Parameters

Charge Method	CC-CV
Charge Voltage	54V
Max. Current Charge	≤50A
BMS Charge ut-off Voltage	2A

### Discharge Parameters

Max. Discharge Current	≤ 100A
BMS Discharge cut-off Voltage	37V

### Thermal Parameters

Discharge Temperature	-20 to 60°C
Charge Temperature	0 to 45°C
Storage Temperature	-20 to 60°C

### Mechanical Parameters

Dimensions (L x W x H)	482 x 410 x 177 [mm]
Weight	43 kg
Terminal Type	M6
Case Material	Metal shell
Technology	LiFePO <sub>4</sub>
Accessories	LCD Display
Communication Port	RS232/RS485/CAN

- energy storage
- solar powered systems
- wind farms
- fire and security system
- uninterruptible power supplies

