



Introducing the Certo 100AH 51.2V LiFePO4 lithium battery. Designed to redefine energy storage, this cutting-edge battery boasts a remarkable capacity of 100 ampere-hours, providing a reliable and long-lasting power solution. Built with advanced LiFePO4 lithium technology, it ensures exceptional performance, enhanced safety, and an extended lifespan. With a voltage rating of 51.2 volts, this battery is engineered to deliver a stable and consistent power output, making it ideal for a wide range of applications.

Whether you require dependable energy storage for backup systems, solar systems, or off-grid installations, our 100AH 51.2V LiFePO4 lithium battery is the ultimate choice, guaranteeing efficient and sustainable power.

#### BATTERY INFORMATION

Battery Chemistry	LiFePO4 (Lithium Iron Phosphate)
Energy Density	5120 Wh
Amp Hour Capacity	100 AH
Nominal Voltage	51.2 VDC
Operating Voltage Range	48 – 56.5 VDC
Cycle Life	4000 cycles (1C, 25°C @ 80% DOD) 6000 cycles (1C, 25°C @ 50% DOD) 8000 cycles (1C, 25°C @ 30% DOD)
Operating Temperature Range	Charge: 0°C ~ 55°C   Discharge: -20°C ~ 55°C
Physical Dimensions (L x W x H)	480 x 440 x 160 mm 510 x 445 x 160 mm (incl front breakers and side bracket lip)
Weight	47 kgs
Terminal	M6
IP Rating	IP35
BMS Protection	Over Voltage, Over Current, Over Temperature and Cell Balancing
Parallel Connection Links	Copper Bar 16x3mm recommended
Max Parallel Connections	16 units
Certifications	UN4380, CLASS 9, CB, CE
Design Life	20 years

#### CHARGE / DISCHARGE INFORMATION

Bulk Charge Voltage	55 VDC   57 VDC (Max)
Float Charge Voltage	54 VDC
Discharge Voltage	48 VDC (Min)
Charging Current	25 A (Recommended)   100 A (Max)
Discharge Current (Max)	100 A

Disclaimer: The information provided in this specification sheet is subject to change at any time without prior notice or consent, as per our sole discretion.