

DEEP CYCLE LiFePO4 BATTERY

25.6V 100Ah

2560Wh



PRODUCT SPECIFICATION

Nominal Characteristics

Rated Capacity	100Ah (Typ.) / 100Ah (Min.)
Nominal Voltage	25.6V

* Standard Charge and Standard discharge

Charge Characteristics

End Of Charge Voltage	28.8V
Charge Mode	CC / CV
Charging Current (Charger Charging Current)	0.2C
Charging Cut-off Current	0.02C
Charging Time	5-6h
Max Continuous Charge Current	100A

Discharge Characteristics

Max Continuous Discharging Current	100A
Instantaneous Current	300A (5s Duration)

Protection Thresholds

Over-Charge Voltage Protection (cell)	3.65V
Over-Discharge Voltage Protection (cell)	2.3V (±0.1V)
Over-Current Discharge Protection	600A (±100A)
Temperature Protection	Battery Charging: 0±5°C / 65±5°C Battery Discharge: -20±5°C / 70±5°C MOS: 105±5°C

Environmental Conditions

Operation Temperature Range	Charge	0~45°C
	Discharge	-20~60°C
Storage Temperature Range	≤3 Month	-20~45°C
	≤1 Year	-20~20°C

* 60±25%R.H. Bare Cell, 60±25%R.H. at the Shipment State

Cell Dimensions

Cell Dimension(L*W*H) (mm)	169.9*483.4*239.5 (±3)
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Cycle Life

Charge	0.2C to 28.8V
Constant Voltage to 0.02C	Rest Time : 10min
Discharge	0.2C to 18.4V
Rest Time Between Charge and Discharge	10min
Temperature	25±5°C

* Capacity retention ≥80% after 2,000 cycles.

Mode of use

Max Support	2 Set 25.6V Batteries in Series
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