

DEEP CYCLE LiFePO4 BATTERY

12.8V 100Ah

1280Wh



PRODUCT SPECIFICATION

Nominal Characteristics

Rated Capacity	100Ah (Typ.) / 100Ah (Min.)
Nominal Voltage	12.8V

* Standard Charge and Standard Discharge

Charge Characteristics

End of Charge Voltage	14.4V
Charge Mode	CC, CV
Charging Current (Charger Charging Current)	0.2C
Charging Cut-off Current	0.02C
Charging Time	5~6h
Max Continuous Charge Currentcharge	100A

Discharge Characteristics

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

Protection Thresholds

Over-Charge Voltage Protection (cell)	3.65V (±0.05V)
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

L*W*H (mm)	168.0*260.0*215.0 (±5)
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Cycle Life

Charge	0.2C to 14.6V
Cut-off Voltage to 0.02C	Rest time : 10min
Discharge	0.2C to 10V
Rest Time	10min
Temperature	25±5°C

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

Mode of use

Max Support	4 Set 12.8V Batteries in Series
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