

DEEP CYCLE LiFePO4 BATTERY

12.8V 314Ah

4019Wh



PRODUCT SPECIFICATION

Nominal Characteristics

Rated Capacity	300Ah@25°C (Typ.) / 300Ah@25°C (Min.)
Nominal Voltage	12.8V

* Standard Charge and Standard Discharge.

Charge Characteristics

End Of Charge Voltage	15V
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	200A

Discharge Characteristics

Max Continuous Discharging Current	200A
Instantaneous Current	600A (3s Duration)

Protection Thresholds

Over-Charge Voltage Protection (cell)	3.75V (±0.05V)
Over-Discharge Voltage Protection (cell)	2.2V (±0.1V)
Over-Current Discharge Protection 1	1000A (±200A)

Environmental Conditions

Operation Temperature Range	Charge	0~45°C
	Discharge	-20~60°C
Storage Temperature Range	≤1 Month	-20~45°C
	≤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)	193.0*382.0*249.5(±3)
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Cycle Life

Charge	0.2C to 15V
Constant Voltage to 0.01C	Rest Time : 10min
Discharge	0.2C to 8.8V
Rest Time Between Charge and Discharge	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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