

MODEL: IC-12V12-EP4S

Lithium Ion Deep Cycle Battery

ELECTRICAL SPECIFICATIONS

Nominal Voltage	12.8 V
Nominal Capacity	12 Ah
Capacity @ 25A	28 min
Energy	158 Wh
Resistance	≤60 mΩ @50% SOC
Efficiency	99%
Self Discharge	<3% per Month
Maximum Modules in Series	4

DISCHARGE SPECIFICATIONS

Maximum Continuous Discharge Current	30 A
Peak Discharge Current	60A (3s)
BMS Discharge Current Cut-Off	60A (3s)
Recommended Low Voltage Cut-Off	11 V
BMS Discharge Voltage Cut-Off	8 V
Reconnect Voltage	9.2 V
Short Circuit Protection	200-600 μs

TEMPERATURE SPECIFICATIONS

Discharge Temperature	32 to 140°F (0 to 60°)
Charge Temperature	32 to 113°F (0 to 45°C)
Storage Temperature	23 to 95°F (-5 to 35°C)
BMS High Temperature Cut-Off	149°F (65°C)
Reconnect Temperature	122°F (50°C)

MECHANICAL SPECIFICATIONS

Dimensions (Lx W x H)	5.91 x 3.96 x 3.99 "
	150 x 101 x 101 mm
Weight	3.5 lbs (1.6 kg)
Terminal Type	F2
Terminal Torque	80 - 100 in-lbs (9 - 11 N-m)
Case Material	ABS
Enclosure Protection	IP56
Cell Type - Chemistry	Cylindrical- LiFePO ₄

CHARGE SPECIFICATIONS

Recommended Charge Current	6A
Maximum Charge Current	12A
Recommended Charge Voltage	14.2 V - 14.6 V
BMS Charge Voltage Cut-Off	15.2 V
Reconnect Voltage	14.4 V

COMPLIANCE SPECIFICATIONS

Certifications	CE (battery) UN38.3 (battery) UL1642 & IEC62133 (cells)
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BCI Group Size

Feature

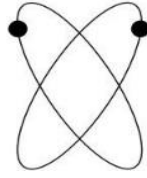
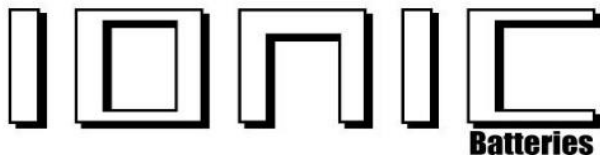
Bluetooth APP



Monitor your battery's vitals straight from your smartphone.

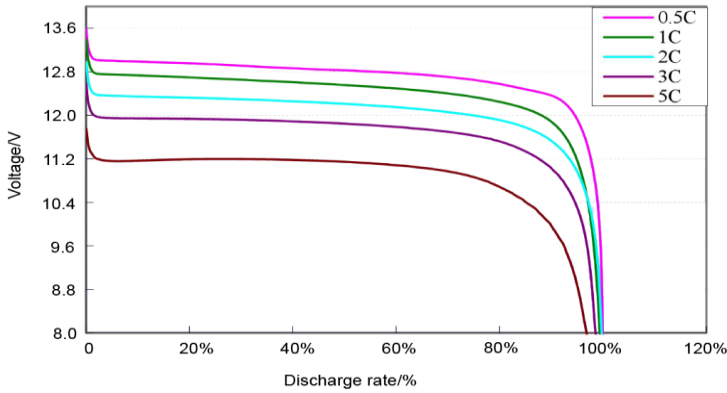
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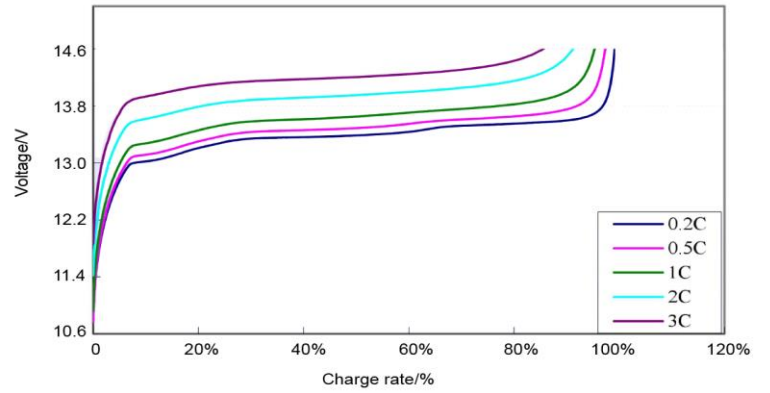


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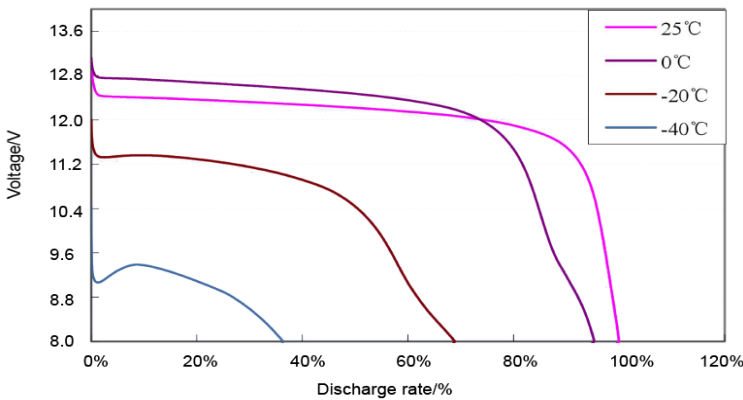
Discharge Characteristics at Various Discharge Rates



Charge Characteristics at Various Rates



Discharge characteristics at Different Temperatures



Cycle Life

