



**MODEL: IC-12V100-S4S**

## Ionic Lithium Starter Battery 12V 100Ah

### ELECTRICAL SPECIFICATIONS

Nominal Voltage	12.8 V
Nominal Capacity	100 Ah
Energy	1,280 Wh
Resistance	≤50 mΩ @50% SOC
Efficiency	99%
Self Discharge	<3% per Month
Maximum Modules in Series	4

### DISCHARGE SPECIFICATIONS

Maximum Continuous Discharge Current	150 A
Cranking Amps	3,000 A (3sec)
Cold Cranking Amps	1,800 A (3sec)
Recommended Low Voltage Cut-Off	11V
BMS Discharge Voltage Cut-Off	10V
Reconnect Voltage	9.2 V
Short Circuit Protection	200-600 μs

### TEMPERATURE SPECIFICATIONS

Discharge Temperature	-4 to 140°F (-20 to 60°)
Charge Temperature	-4 to 113°F (-20 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 (L x W x H)	12.9 x 6.8 x 10"
	330 x 175 x 256 mm
Weight	30.8lbs (14kg)
Terminal Type	2x 3/8- 16 NMC +1car post
Terminal Torque	80 - 100 in-lbs (9 - 11 N-m)
Case Material	ABS
Enclosure Protection	IP56
Cell Type - Chemistry	Prismatic- LiFePO <sub>4</sub>

### CHARGE SPECIFICATIONS

Recommended Charge Current	50 A
Maximum Charge Current	180 A
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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Patent No. US9412994, US9954207, US11,598,306

### FEATURE

BlueTooth APP

Built in Emergency Start function that can be activated either by long pressing the start button or with the "IonicRedBattery" APP

Built in Heater Function



**Monitor your battery's  
vitals straight from  
your smartphone.**

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