



MODEL: IC-12V100-S12M

Ionic Lithium Starter Battery 12V 100Ah

ELECTRICAL SPECIFICATIONS	
Nominal Voltage	12 V
Nominal Capacity	100 Ah
Energy	1,280 Wh
Resistance	≤20 mΩ
Efficiency	99%
Self Discharge	<3% per Month
Maximum Modules in Series	4

MECHANICAL SPECIFICATIONS	
Dimensions (L x W x H)	13 x 6.8 x 10" 330 x 175 x 256 mm
Weight	25.9 lbs (11.75kg)
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 ₄

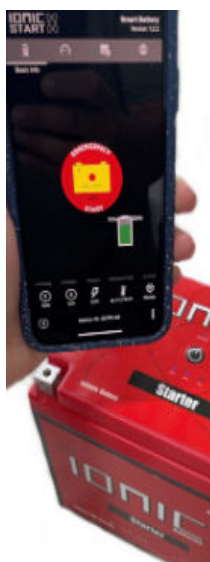
TEMPERATURE SPECIFICATIONS	
Operating Temperature	-4°F~140°F (-20°C~60°C)
Charge Temperature	32°F~140°F (0°C~60°C)
Storage Temperature	32°F~140°F (0°C~60°C)
BMS High Temperature Cut-Off	185°F (85°C)
Reconnect Temperature	158°F (70°C)

DISCHARGE SPECIFICATIONS	
Maximum Continuous Discharge Current	500 A
Cranking Amps	1,280 A (3sec)
Cold Cranking Amps	800 A (3 sec)
Low Discharge Cut-Off Voltage	8 V
Low BMS Cut-Off Voltage	11.2 V

CHARGE SPECIFICATIONS	
Recommended Charge Current	50 A
Maximum Charge Current	200 A
Recommended Charge Voltage	14.6 V
Charge Voltage Cut-Off	15.2 V
Reconnect Charge Voltage	14.4 V

COMPLIANCE SPECIFICATIONS	
Certifications	CE (battery) UN38.3 (battery) UL1642 & IEC62133 (cells)
Patent No.	US9412994, US9954207, US11,598,306 B2

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



Monitor your battery's vitals straight from your smartphone.

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