



**MODEL: IC-12V4-S8**

## Ionic Lithium Starter Battery 12V 4Ah (12Ah eqv)

### ELECTRICAL SPECIFICATIONS

Nominal Voltage	12.8 V
Nominal Capacity	4 Ah (12Ah)
Energy	51 Wh
Resistance	≤50 mΩ @50% SOC
Efficiency	99%
Self Discharge	<3% per Month
Maximum Modules in Series	4

### DISCHARGE SPECIFICATIONS

Maximum Continuous Discharge Current	50 A
Cranking Amps	500A (3s)
Cold Cranking Amps	300A (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	-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 (Lx W x H)	7.7 x 5.1 x 6.1"
	196 x 130 x 155 mm
Weight	3.3 lbs (1.5kg)
Terminal Type	M6
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	25 A
Maximum Charge Current	50 A
Recommended Charge Voltage	14.2 V - 14.6 V
BMS Charge Voltage Cut-Off	15.2 V
Reconnect Voltage	14.4 V

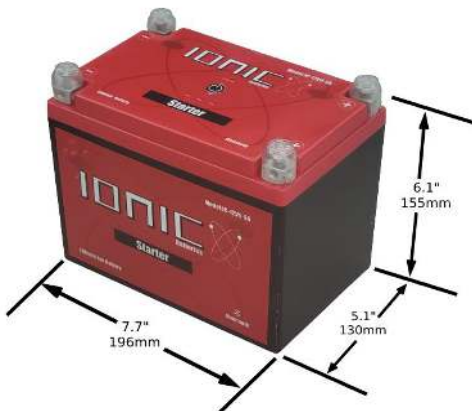
### COMPLIANCE SPECIFICATIONS

Certifications	CE (battery) UN38.3 (battery) UL1642 & IEC62133 (cells)
BCI Group Size	U1

### FEATURE

#### 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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