



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

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|--------------------------------------|----------------|
| 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

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|------------------------------|---------------------------|
| 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) | 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 ₄ |

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) |
| 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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