



MODEL: IC-24V10-EP

Lithium Ion Deep Cycle Battery

ELECTRICAL SPECIFICATIONS

Nominal Voltage	24 V
Nominal Capacity	10 Ah
Capacity @ 25A	24 min
Energy	256 Wh
Resistance	≤50 mΩ @50% SOC
Efficiency	99%
Self Discharge	<3% per Month
Maximum Modules in Series	4

DISCHARGE SPECIFICATIONS

Maximum Continuous Discharge Current	10:00 AM
Peak Discharge Current	55A (3s)
BMS Discharge Current Cut-Off	55A (3s)
Recommended Low Voltage Cut-Off	22 V
BMS Discharge Voltage Cut-Off	16 V
Reconnect Voltage	18.4 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)	3.03 x 7.09 x 6.49" 77 x 180 x 165 mm
Weight	6.6 lbs (3 kg)
Terminal Type	F8
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	5:00 AM
Maximum Charge Current	10:00 AM
Recommended Charge Voltage	24.4 V - 25.2 V
BMS Charge Voltage Cut-Off	30.4 V
Reconnect Voltage	28.8 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.**