



MODEL: IC-36V50-EP4S

Lithium Ion Deep Cycle Battery

ELECTRICAL SPECIFICATIONS

Nominal Voltage	38.4V
Nominal Capacity	50 Ah
Capacity @ 25A	120 min
Energy	1920Wh
Resistance	≤50 mΩ @50% SOC
Efficiency	99%
Self Discharge	<3% per Month
Maximum Modules in Series	0

DISCHARGE SPECIFICATIONS

Maximum Continuous Discharge Current	60A@25°C
Peak Discharge Current	350A (3s)
BMS Discharge Current Cut-Off	350A (3s)
Recommended Low Voltage Cut-Off	33V
BMS Discharge Voltage Cut-Off	30V
Reconnect Voltage	33.6V
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)	19.1 x 6.7 x 9.5"
	484 x 170 x 241 mm
Weight	45 lbs (20.5 kg)
Terminal Type	3/8th
Terminal Torque	80 - 100 in-lbs (9 - 11 N-m)
Case Material	ABS
Enclosure Protection	IP55
Cell Type - Chemistry	Prismatic- LiFePO ₄

CHARGE SPECIFICATIONS

Recommended Charge Current	25 A
Maximum Charge Current	50 A@25°C
Recommended Charge Voltage	42.6 V - 43.8 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	0

Feature

BlueTooth APP



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

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