



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	≤10 mΩ @50% SOC
Efficiency	99%
Self Discharge	<3% per Month
Maximum Modules in Serie:	0

DISCHARGE SPECIFICATIONS

Maximum Continuous Discharge Curr	60A@25°C
Peak Discharge Current	350A (3s)
BMS Discharge Current Cut-	350A (3s)
Recommended Low Voltage Cut-Off	33V
BMS Discharge Voltage Cut-	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-	149°F (65°C)
Reconnect Temperature	122°F (50°C)

MECHANICAL SPECIFICATIONS

Dimensions (Lx W x H)	12.8 x 8.4 x 8.0"
	325 x 213 x 203 mm
Weight	36 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

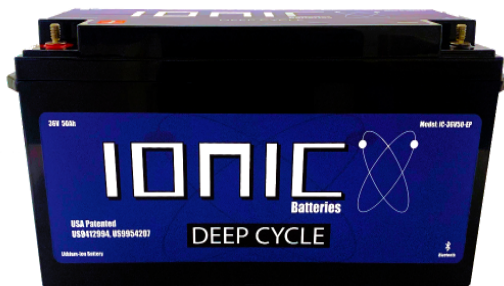
Recommended Charge Curr	25 A
Maximum Charge Current	50 A@25°C
Recommended Charge Volt:	42.6 V - 43.8 V
BMS Charge Voltage Cut-Off	15.2 V
Reconnect Voltage	14.4 V

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.**