



IC-36V75-EP

Lithium Deep Cycle Battery

ELECTRICAL SPECIFICATIONS

Nominal Voltage	38.4V
Nominal Capacity	75Ah
Capacity @ 25A	180min
Energy	2880Wh
Resistance	8.6 mΩ
Efficiency	99%
Self Discharge	<3% per Month
Maximum Modules in Serie:	4

DISCHARGE SPECIFICATIONS

Maximum Continuous Discharge Current	80A@25°C 120A@25°C
Peak Discharge Current	350A (60s)
BMS Discharge Current Cut-Off	650A (30ms)
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	32 to 113°F (0 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 (L x W x H)	13.2 x 6.9 x 9.6 in (334 x 176 x 245 mm)
Weight	45.2 lbs (20.5 kg)
Terminal Type	3/8-UNC
Terminal Torque	80 - 100 in-lbs (9 - 11 N-m)
Case Material	ABS
Enclosure Protection	IP65
Cell Type - Chemistry	Prismatic - LiFePO ₄

CHARGE SPECIFICATIONS

Recommended Charge Current	30A@25°C
Maximum Charge Current	80A@25°C
Recommended Charge Voltage	42.4 V - 43.6 V
BMS Charge Voltage Cut-Off	45.6 V
Reconnect Voltage	44.4 V

COMPLIANCE SPECIFICATIONS

Certifications	UN38.3 (battery) UL1642 & IEC62133 (cells)
Shipping Classification	UN 3480, Class 9

FEATURES

Bluetooth APP



Monitor your battery's vitals straight from your smartphone.