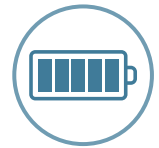


36V 85AH / 100A LIFEPO4 ABS BATTERY

AT-LFP-36-85-BT-AV10



Voltage
36V



Capacity
85Ah



Power
100A



Bluetooth
BMS

PRODUCT HIGHLIGHTS

Amtron has released a new 36V model this model which is suited to marine and Low Speed electric vehicle (LSV) use cases. This model has been fitted with Bluetooth communications for monitoring SOC, voltages, power consumption and potential error states.

- Safe and reliable LiFep04 Chemistry
- 85Ah Capacity (1920Wh)
- 3000 Cycles
- 100A Continuous Discharge Rating (180A peak)

TECHNICAL DATA

Battery pack Model	AT-LFP-36-85-BT-AV10
Battery Cell Configuration	12S1P
Size (L*W*H)mm	485x168x240mm
Weight (kg)	28KG
Battery Rated Capacity (0.2C)	85Ah
Battery Rated Voltage	38.4V
Rated Power	3264Wh
Operating Voltage Range	30-43.8V
Battery Type	LiFePO4
Charger voltage (CC/CV)	DC43.8V/20A (Recommended Lithium battery charger)
Standard charging current	20A
Continuous Charging Current (Max.)	85A
Standard discharge current	20A
Continuous Discharge Current (Max.)	100A
Peak Discharge Current	180A (3S)
Internal Resistance (mΩ)	≤20 mΩ

Storage Temperature	Within 2 months: -20°C~40°C
	Within 6 months: -10~35°C
Storage Humidity	10%~90% RH
Shipping Voltage	38V~40V
Charging Temperature	0~55°C (Ambient temperature)
Discharge Temperature	-20~60°C ((Ambient temperature)
Operating power consumption	≤25mA
Discharge cut-off voltage	30V
charge cut-off voltage	43.8V
Cooling Mode	Natural Cooling
Waterproof Level	IP65
Battery Cycle Life	3000 times (0.2C standard charge and discharge)
Standard Environmental Conditions	Temperature: 25±2°C
	Humidity: 45-85%RH
	Atmospheric Pressure: 86-106 KPA