

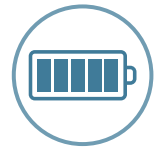
12V 105AH / 200A LIFEPO4 SLIMLINE BATTERY WITH BLUETOOTH AT-LFP-12-105-BTC-HV10



Voltage
12V



Power
180A



Capacity
105Ah



Bluetooth
BMS

PRODUCT HIGHLIGHTS

Amtrons BluEdge range is packed full of features utilising grade A, long-lifecycle LiFePO4 cells and communication options. Our latest generation model can fit into tight spaces and is suitable for a variety of applications. Now includes Bluetooth and CAN/RS485 communication for parallel / series communication and integration into smart energy systems such as Victron Cerbro / VRM or connecting to the BluEdge display.

- Small form factor (635x 168 x 209mm), 12Kg
- 105Ah Capacity (1280Wh)
- 4000 Cycles
- 180A Continuous Discharge Rating (300A peak)

TECHNICAL DATA

Battery pack Model	AT-LFP-12-105-BTC-HV10
Battery PACK	4S1P
Size (L*W*H)mm	635x286x59mm
Weight (kg)	14KG
Battery Rated Capacity (0.2C)	105Ah
Battery Rated Voltage	12.8V
Rated Power	1344Wh
Operating Voltage Range	10-14.6V
Battery Type	LiFePO4
Charger voltage (CC/CV)	DC14.6V/20A (Lithium battery charger)
Standard charging current	20A
Continuous Charging Current (Max.)	100A
Standard discharge current	20A
Continuous Discharge Current (Max.)	180A
Peak Discharge Current	300A (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	12V~13.5V
Charging Temperature	0~55°C (Ambient temperature)
Discharge Temperature	-20~60°C ((Ambient temperature)
Operating power consumption	≤25mA
Discharge cut-off voltage	10V
charge cut-off voltage	14.6V
Cooling Mode	Natural Cooling
Waterproof Level	IP50
Battery Cycle Life	3500 times (0.2C standard charge and discharge)
Standard Environmental Conditions	Temperature: 25±2°C
	Humidity: 45-85%RH
	Atmospheric Pressure: 86-106 KPA