

12V 200AH / 200A LIFEPO4 ABS BATTERY WITH BLUETOOTH AT-LFP-12200BV12



Voltage
12V



Power
200A



Capacity
200Ah



Bluetooth
BMS

PRODUCT HIGHLIGHTS

Amtron has refined this model to offer a small but powerful form factor, while still offering value for money and a competitive RRP for this market space. Our latest generation of this 12V staple, suitable for a variety of applications now includes Bluetooth and a new form factor which offers a 15% reduction in case size compared to the previous generation.

- Size (370 x 192 x 245mm), 20.5Kg
- 200Ah Capacity (2560Wh)
- 5000 Cycles (0.2C Standard Discharge / Charge)
- 200A Continuous Discharge Rating (400A peak)

TECHNICAL DATA

AT-LFP-12-200-BT-BV12		
Physical	Size	370 L x 192 W x 245 H (mm)
	Weight	20.5kg ±0.2kgs
	Connection terminals	M8
	Connection terminals torque rating	6Nm
	Casing material	ABS
	IP Rating	IP65
	Chemistry	Lithium iron phosphate (LiFePO ₄)
	Cell type	Prismatic
Electrical	Rated capacity	200Ah / 2560WH (at 0.2C)
	Battery packs in series	Supported (4)
	Battery packs in parallel	Supported
	Battery cycle life	5000 times (0.2C standard charge and discharge)
	Rated voltage / nominal voltage	12.8V
	Operating voltage range	10.4V - 14.6V
	Shipping voltage	11 - 14V
	Recommended charge voltage	14.2 - 14.4V
	Cut-off voltage	10V / When lowest cell reaches 2.5V
	Max Depth of Discharge (DoD)	100% Recommended 80%
	Standard charge current (Recommended)	40A
	Charging time (At recommended charge current)	4-5 Hours


Batterypro
www.a1batterypro.com.au
Two Great Stores to choose from...

 7 Cemetery Rd,
 Mackay QLD 4740

Phone 07 4957 6123

 Unit 16, 547 Woolcock St,
 Mt Louisa, Townsville QLD 4814

Phone 07 4774 7344

TECHNICAL DATA CONT.

Electrical Cont.	Maximum charge current	200A
	Max continuous discharge current	200A
	Peak discharge current (3 seconds)	400A
	Internal resistance	$\leq 20\text{m}\Omega$
Environmental	Operating power consumption	$\leq 25\text{mA}$
	Operating temperature	Charge: $0^{\circ}\text{C} \sim 55^{\circ}\text{C}$ (Ambient) Discharge: $-20^{\circ}\text{C} \sim 60^{\circ}\text{C}$ (Ambient)
	Storage temperature range	Within 2 months: $-20^{\circ}\text{C} \sim 40^{\circ}\text{C}$ Within 6 months: $-10^{\circ}\text{C} \sim 35^{\circ}\text{C}$
	Recommended storage temperature	$20^{\circ}\text{C} \pm 5^{\circ}\text{C}$
	Storage humidity range	10% - 90% RH
	Recommended storage duration	Charge to 13.3V OR 40 - 60% SOC every 6 months
Circuit Protection	Cell over charge protection	$3.65\text{V} \pm 0.05\text{V}$
	Cell over-discharge protection	$2.5\text{V} \pm 0.05\text{V}$
	Charging over current protection	$210\text{A} \pm 10\text{A}$ (10s)
	Discharging over current protection	1st $210\text{A} \pm 10\text{A}$ (10s) 2nd $420\text{A} \pm 10\text{A}$ ($2000 \pm 500\text{ms}$)
	Short circuit protection	$2400\text{A} \pm 400\text{A}$ ($560 \pm 340\mu\text{s}$)