



# EPL-200BT-12V-SLIM

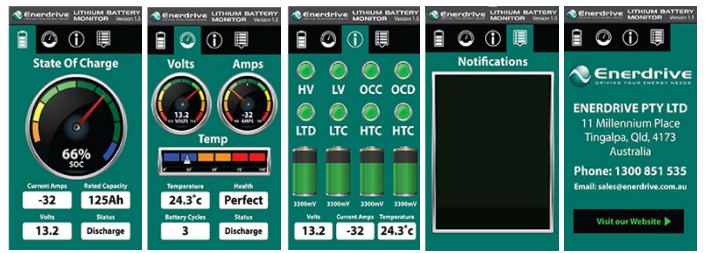
## ePOWER B-TEC 12V 200Ah Slimline Lithium Battery



[www.a1batterypro.com.au](http://www.a1batterypro.com.au)

### Features:

- Designed and intended for use in deep cycle applications where a single battery is required that meets the amp hour capacity.
- Extremely compact size W 530 x H 600 x D 83 mm. All connection points for the battery are at one end including all Comms Ports and Reset Port.
- Reset button is not included on the battery itself, we have opted for a button that can be remotely mounted elsewhere in the install. This allows for a much easier restart process for customers and also keeps the battery more water tight with less chance of water ingress.
- Comms Ports are both RJ45 remote ports with CAN output. Both are reserved for future integration and functionality.
- Water resistant metal casing meeting IP52 rating and all external bolts and fittings are blind so limits the chance for water to travel from external to internal. Rubber style seals between all metal framing. Frames overlap as well to help avoid water ingress.
- Battery Management System – Protects the battery from over charge, over discharge, over temperature & short circuit.
- Capable to be paralleled to a second B-TEC battery of the same size. For maximum performance and lifespan of your B-TEC Slimline battery, no more than 2 batteries should be connected together to increase your overall capacity. Overall loads when paralleled should not exceed the current limits of a single batteries BMS.
- Able to accept a maximum inverter capacity of 3000W.
- Smart Phone Monitoring System – By downloading the Android™ or Apple® app, you can monitor Battery Capacity, Battery Voltage, Battery Current (Amps), Battery State of Charge (SOC), Battery State of Health (SOH), Battery Status, Individual Cell Voltage, Battery Temperature, Battery Cycles, Battery Alarms & Battery Event Information.



### 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

## Specifications:

Normal Specification	
Nominal Voltage	12.8V
Nominal Capacity	200Ah
Cycle Life (DOD – 80% under controlled conditions)	≥ 2000 Cycles
Standard Charge Specification (Lithium profile charger required)	
Battery Charge Temperature	0~45°C
Normal Charge Voltage CV/CC*	14.20~14.60V
Standby (Float) Voltage	13.50~13.80V
Maximum Charge Current	150A @ 25°C for 30mins
Recommended Charge Current for Maximum Life	60~120A
Standard Discharge Specification	
Battery Discharge Temperature	-20~60°C
Battery Output Voltage Range	11.00 ~ 14.60V
Maximum Discharge Current	250A @ 25°C ± 5°C for 30mins
Pulse Discharge Current	450A for 1.0s
Discharge Cut-off Voltage	≤11.20V
Circuit Protection	The battery is supplied with a LiFePO4 Battery Management System BMS
Over-Charge Protection	
Over-charge Protection Per Cell	3.90V ± 0.03V
Over-charge Release Per Cell	3.60V ± 0.05V
Over-charge Release Method	Discharge below release voltage
Over-Discharge Protection	
Over-discharge Protection Per Cell	2.80V ± 0.05V
Over-discharge Release Per Cell	3.20V ± 0.05V
Over-discharge Release Method	Apply Charge/Voltage ≥12.8V
Over Current Protection	
Discharge Over Current	280A for 25s – 400A for 3.5s
Protection Reset Time	5s Auto Release
Over Current Release Method	Disconnect Load
Over Temperature Protection	
Battery Discharge Over Temperature	Protection to 65°C ± 5°C Release at 50°C ± 5°C
Battery Charge Over Temperature	Protection to 55°C ± 5°C Release at 45°C ± 5°C
Short Circuit Protection	Auto release after 5s
Mechanical Characteristics	
Dimensions (L x D x H)	530 x 83 x 600mm
Weight	Approx. 30kg
Case Construction	Powder Coated Zinc Plate
Storage Information	
Self-discharge Rate	≤ 3% Per Month