

EPL-100BT-12V-G2

B-TEC 12V 100Ah Gen 2 Lithium Battery



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.
- LiFePO4 prismatic cell
- Battery Management System – Protects the battery from over charge, over discharge, over temperature & short circuit.
- Built-in reset button making re-starting a flat battery a breeze.
- Capable to be paralleled to a second B-TEC battery of the same size. For maximum performance and lifespan of your B-TEC battery, no more than 4 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 1000W.
- 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	100Ah
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	60A @ 25°C for 30mins
Recommended Charge Current for Maximum Life, Charge in the lower amperage range	20~60A
Standard Discharge Specification	
Battery Discharge Temperature	-20~60°C
Battery Output Voltage Range	11.00~14.60V
Maximum Discharge/Pulse Current	100A @ 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	110A for 30s – 450A for 1s
Protection Reset Time	Approx 10s 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
Dimensions	
Dimensions (L x W x H)	318 x 165 x 232mm
Weight	Approx. 12.6kg
Case Construction	Hi Impact ABS Plastic
Storage Information	
Temperature & Humidity Range	≤ 30 days -20°C~60°C, 5~75% RH ≥ 90 days -10°C~45°C, 5~75% RH