

THE BM PRO BATTERYCHECK



The BatteryCheck is designed to monitor 12 or 24 Volt deep cycle battery systems up to a battery capacity of 800Ahr. This device connects to a range of standard batteries communicating wirelessly via Bluetooth with near field devices such as smart phones. A simple app on the smart device communicates with the BatteryCheck showing real time data and allowing the user to manage remaining battery energy.

Key features

- › Communicates via Bluetooth with smart phones
- › Free downloadable app via Google Play and App Store
- › Instant real time data - view information including volts and amps, time remaining, temperature, battery status, state of charge and battery health
- › Easy installation – no mechanical expertise required
- › Works with multiple batteries when in parallel (7Ah-800Ah Battery Bank)
- › Internal shunt capacity - 80 amps continuous
- › Set automatic alarm warnings via app
- › Compatible with any deep cycle 12 or 24V Lead Acid, AGM and Gel 7Ah-800Ah battery

Installation notes

The BatteryCheck has a terminal at each end; using these two terminals the device is wired in series with the negative terminal of the battery being monitored. A separate lead provides connection to the positive terminal of the battery to power the unit, measure the battery voltage and to assess the temperature and overall health of the battery.

Safety standards

- › IEC 60950-1
- › IEC 61010-1

EMC standards

- › EN, IEC, CFR, ICES, RSS, AS/NZS, CISPR

EMS standards

- › EN (various)
- › IEC 61326-1

Other standards

- › 2011/65/EU ROHS Directive



SPECIFICATION

Voltage Measurement Range	8V to 30V
Voltage Measurement Resolution	< 25 mV
Current Measurement Range	±100 Amp
Current Measurement Resolution	< 50 mA
Temperature Measurement Range	-20 °C to 70 °C (Battery Terminal)
Temperature Measurement Resolution	< 2 °C
Monitored Battery Capacity	7 Ah to 800 Ah
Visual and Audible Alarms	Low Voltage, user settable level Low State of Charge, user settable level

GENERAL SPECIFICATION

Input Voltage	8 V to 30 V
Input Current	0.1 A peak
Quiescent Current Drain	< 10 mA
Operating Temperature	-20 °C to 70 °C
Humidity	Operating ≤ 85% RH non-condensing Non-operating ≤ 95% RH non-condensing
Altitude	Operating: 2000 m Non-operating: 15000 m
MTBF	> 50000 hours at 40 °C
Dimensions	140 mm x 65 mm x 20 mm (Approx.)
Weight	Approx. 1 kg boxed with accessories
Installation	Mounted on battery
IP Rating	IP 65



BM PRO - 19 Henderson Road, Knoxfield 3180, Victoria, Australia
Phone +61 3 9763 0962 | Fax +61 3 9763 8789
Email sales@teambmpro.com | Web www.teambmpro.com



SWITCH OFF. POWER UP

All data is subject to change without notice V1BC-200114