



Owner's Manual Model: OC-BM12

(Suitable for all 12V Lead acid type batteries.
Calcium SMF, AGM, WET, Flooded & Gel)

1.0 Product Specifications

Average Current	1mA	Short-circuit Protection	Built in
Input Voltage	6~20VDC	Reverse Connection Protection	Built in
Operating Temperature	-40 C ~90 C	Bluetooth	4.0
Physical Dimensions	55x35x16mm	Output lead length	(+) Red - 21cm (-) Black - 31cm
Voltage Accuracy _(9-16V)	±0.03V	App Keyword	OzCharge

2.0 Key Features

- Receive notification of battery condition when it's within Bluetooth range. (Bluetooth range is up to 10 metres)
- Checks cranking system(battery condition) and charging system(alternator)
- Notifications for Low Battery Voltage, Low Cranking Voltage & Daily power.
- Review voltage history in graph mode.
- Shows State Of Charge SOC% by using a special algorithm.
- Short-circuit and reverse polarity protection. (Internal Breaker)
- Data stored on the device for up to 31 days if out of sync.
- Ultra-low power consumption, average current: 1mA.
- Fireproof wire and casing.
- iOS & Android Compatible.
- Update firmware via Bluetooth.
- Compatible with all 12-volt lead acid type batteries.

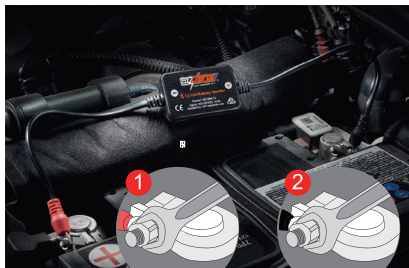
Compatibility

Android: 4.3 and later

iPhone: 4S and later

iPad: iPad3 and later

3.0 Installing The Battery Monitor



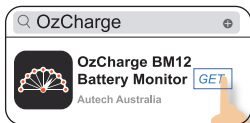
For use on 12V batteries only.

3.1. Locate the Red (+) terminal of the battery monitor and connect it to Red (+) positive battery terminal.

3.2. Locate the Black (-) terminal of the battery monitor and connect it to Black (-) negative battery terminal.

3.3. Use the double side tape supplied and mount the monitor in a location away from moving parts.

4.0 App Installation



4.1. Scan the QR code on the product packaging or back of this manual.

4.2. Or search “OzCharge” on the App Store or Google Play to download.

4.3. Install the OzCharge BM12 Battery Monitor app on your device.

5.0 Launching The App

5.1. Click on the OzCharge app icon to launch the app.



5.2. Please 'always' allow the app to access location even when not using the app. If you fail to do this the notifications will not work.

Allow "Battery Monitor" to access your location even when you are not using the app?

Allow Access: When close to vehicle, the battery and related system data will be automatically sent to the app with a fault notice if it exists.

Don't Allow

Allow

"Battery Monitor" Would Like to Send You Notifications

Notifications may include alerts, sounds, and icon badges. These can be configured in Settings.

Don't Allow

OK

5.3. Please allow your device to receive notifications.

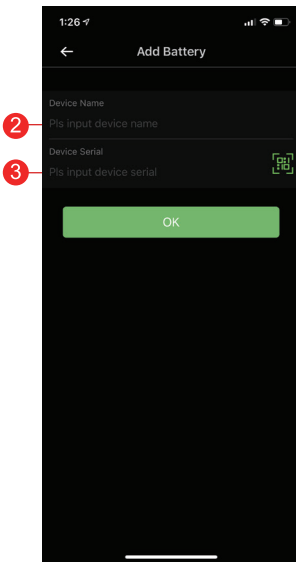
Notification alerts can be set for:

- Daily power notifications
- Low battery notifications
- Abnormal cranking notifications

PLEASE RECORD THE BATTERY MONITOR'S SERIAL NUMBER IN A SAFE PLACE. IF THIS SERIAL NUMBER IS LOST, YOU CANNOT PAIR THE BATTERY MONITOR TO THE OZCHARGE APP IF YOU EVER NEED TO REINSTALL THE APP OR IF YOU GET A NEW PHONE/TABLET. THE SERIAL NUMBER IS LOCATED UNDER THE BARCODE ON THE SIDE OF THE BATTERY MONITOR.

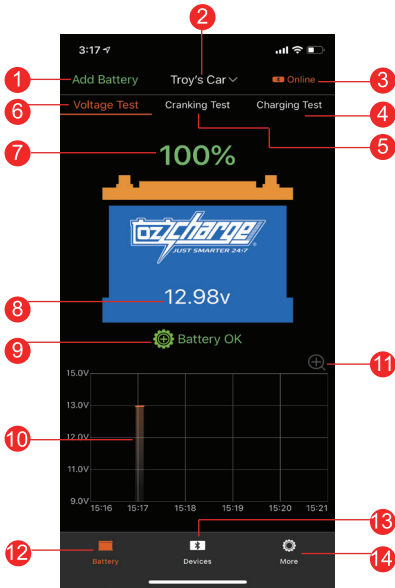
6.0 Pairing Your Battery Monitor

Note: Please ensure your bluetooth on your device is switched on.



- 6.1. Once the OzCharge app has been launched, press Add Battery link.
- 6.2. Enter a Device Name. i.e. 'Colorado' or 'My Car'.
- 6.3. Enter the Battery Monitor's serial number or scan the barcode on the device by pressing the QR code button. Serial Number is located under the barcode. (Make sure you record this number in a safe place)
- 6.4. Press OK to save details and this will pair / add the Battery Monitor to your device.

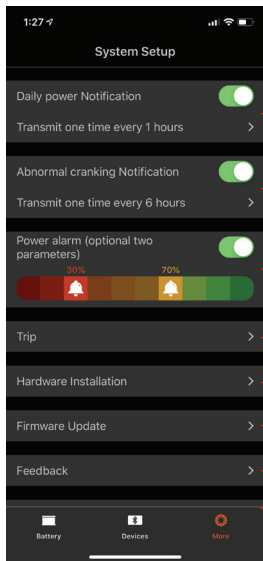
7.0 App Features and Links



1. Add Battery link
2. Battery Monitor name
3. Online / connection status
4. Charging / alternator test link
5. Cranking test link
6. Voltage display link
7. State of charge percentage (SOC%)
8. Battery voltage display
9. Battery status. OK, Low or Charging
10. Live voltage graph display
11. Voltage history graph
12. Main battery / home display
13. Select between devices
14. System settings menu

8.0 App Settings

To access your app settings, press the 'More' button.



8.1. Daily power notification.

This can be switched on and off. Green is on and Grey is off.

If you have this switched on, the app will send you a notification of your battery condition every 1,3,6,9,12 or 24 hours when you are within Bluetooth range.

8.2. Abnormal cranking notification.

This can be switched on and off. Green is on and Grey is off.

If you have this switched on, the app will send you a notification if it detects a low voltage drop during cranking every 1,3,6,9,12 or 24 hours when you are within Bluetooth range.

8.3. Low power alarm notification.

This can be switched on and off.

Green is on and Grey is off. If switched on, you can select what state of charge % you would like to receive low power notifications when you are within Bluetooth range.

8.4. Trip History.

Shows date/times of recent trips.

8.5. Hardware Installation.

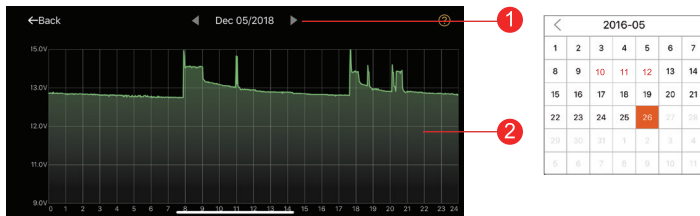
Basic installation instructions.

8.6. Firmware Update.

8.7. Feedback / Report Bugs.

8.8. App Version Details.

9.0 Voltage History Graph



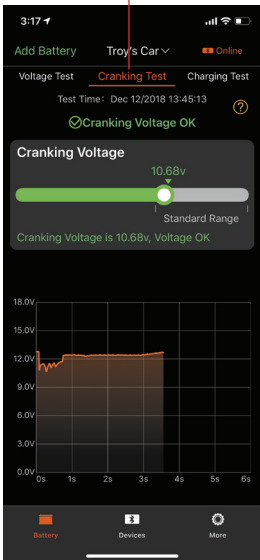
To access your Voltage History Graph, press on the voltage graph in the main Battery Home screen.

9.1. To search by date, either press the left and right arrow or press on the date and a date picker will be shown so you can search a specific date.

9.2. You'll see the voltage graph like shown above.

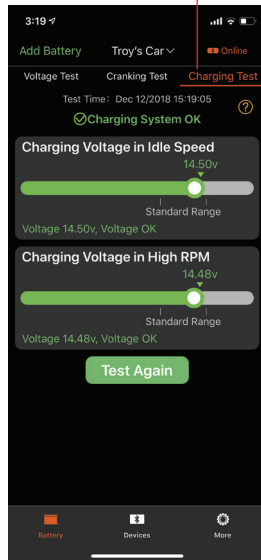
Note: The Battery Monitor will automatically sync and upload this data to your app when you are within Bluetooth range. The Battery Monitor can store up to 31 days of data. If the Battery monitor is removed from the battery all data will be lost, so please make sure the data is synced before removing the device.

10.0 Cranking Test



Your Battery Monitor will automatically record and save your last cranking test data. This test measures and records your voltage drop while the vehicle is starting and can be used as a guide to see how your battery is performing. Press ? within the app for further details.

11.0 Charging Test



To see how well your vehicle's alternator is working, select the Charging Test and follow the instructions on the app. Please note some vehicles have different charging voltages but it can be used as a guide to how your alternator is performing. Press ? within the app for further details.

12.0 Troubleshooting / F.A.Q

12.1. What applications can this Battery Monitor be used for?

It can be used for any 12V application which contains a 12V lead acid type battery (Calcium SMF, AGM, WET, Flooded & Gel)

12.2. How many Battery Monitors can the OzCharge App support?

You can add an unlimited number of Battery Monitors. The app will automatically connect the closest Battery Monitor within range and notifications will only be displayed for that connected device. You can manually switch between devices though by clicking the 'Devices' button and selecting your desired device.

12.3. Why aren't I receiving notifications?

Firstly check you have allowed the app to 'Always' access your location, notifications are enabled on both the App settings and your phone/tablet settings and your Bluetooth is switched on. **Note:** You'll only receive notifications when you are within Bluetooth range.

12.4. How do I update my firmware on my Battery Monitor?

To update firmware, press the More icon in the app and then select Firmware Update. If there is an update available, simply follow the prompts. **Important.** Do not disconnect the battery monitor or go out of Bluetooth range while updating as this can corrupt the device.

12.5. What happens if I disconnect the Battery Monitor?

If you disconnect the battery monitor from a battery before all data has been synced via the app, any data stored on the device will be lost.

12.6. What happens if I delete the OzCharge App?

Once the app is deleted, all historical data will be deleted from your phone/tablet.

12.7. How long can the Battery Monitor store data for?

The Battery Monitor can store data for up to 31 days if you are out of Bluetooth range. So we recommend you sync your device prior to this by being within Bluetooth range of your battery monitor or by manually connecting a device from the Devices menu within the app.

13.0 2 Year Warranty

Zylux Distribution Pty. Ltd. (ABN 66 101 378 009) of 166 Christmas Street, Fairfield, Victoria, 3078, Australia warrants to the Customer that this product is substantially free from defects in materials and workmanship under normal use for a period of **Two (2)** Years from the Date of Purchase. Please ensure you keep a copy of your purchase receipt on file as this will be required to validate your warranty.

Obtaining Warranty Service:

Within the warranty period, the Customer must contact the authorised supplier / retailer where the product was purchased or alternatively you can contact the Oz Charge service centre through one of the following methods:

Service help phone: Within Australia (03) 9482 2203

Outside of Australia: +61 3 9482 2203

Website: www.ozcharge.com.au / www.ozcharge.co.nz / www.ozcharge.com

If the Authorised Supplier and / or Oz Charge service centre concludes that while under normal use, a product failure or malfunction occurred during the warranty period and was caused by a defect in material or workmanship (see Exclusions), the Customer will be asked to ship to the nearest service point for repair or replacement, at our discretion. The product must be packaged appropriately for safe shipment. To prove that the product is under warranty, the customer should enclose a copy of their receipt for proof of purchase. It is recommended that returned products be sent by registered mail as Zylux Distribution Pty. Ltd. (Oz Charge) accepts no responsibility / liability for goods lost or damaged in transit.

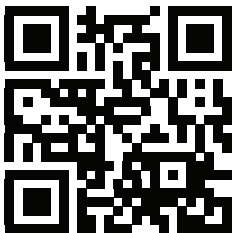
Exclusions:

If upon receiving a product for repair and if testing and examining the product has disclosed that the alleged defect or malfunction in the product does not exist or was caused by the Customer or any third persons misuse, neglect, physical abuse, water damage, unauthorised attempts to open, exposure to extremely high temperatures, tampered with or repaired by an unauthorised persons, this will not be covered under this warranty. Also charges may apply to any product returned which has no fault found or if the warranty has expired or been void.

This Warranty is also void if:

1. The warranty seal is broken or altered.
2. The warranty period has expired.
3. The product has been tampered with or repaired by an unauthorised person.
4. If the product has been dropped or damaged due to impact.

Our goods come with guarantees that cannot be excluded under the Australian Consumer Law. You are entitled to a replacement or refund for a major failure and compensation for any other reasonably foreseeable loss or damage. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and the failure does not amount to a major failure. For New Zealand customers, this warranty is in addition to statutory rights observed under New Zealand legislation.



App Name: OzCharge

12V BATTERY MONITOR APP
WWW.APP.OZCHARGE.COM.AU



Record Device Serial Number _____