



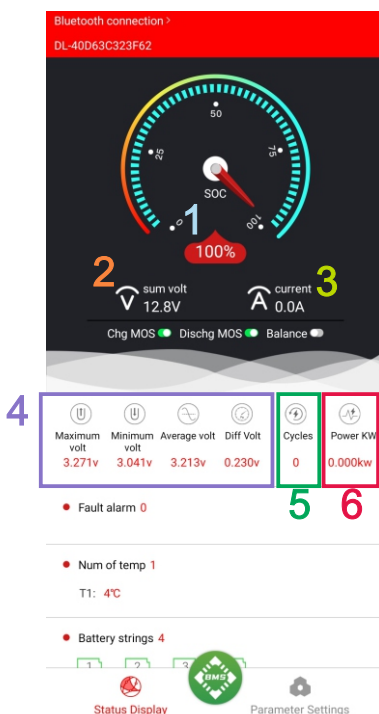


Bluetooth BMS function and features

Please ensure your battery is Bluetooth compatible - there should be a round sticker on the top of the battery with a BLUETOOTH code on it. We began rolling out the bluetooth compatible models around the 2020/2021 winter period.

- 1) Please go onto the Play Store or the APP Store and download the free 'Smart BMS' app  Smart BMS
- 2) Ensure you have Bluetooth activated on your phone.  looks like this
- 3) Open the App on your phone follow the steps below:

Main Status Display / What it means



This is the main Status Display of the Smart BMS. The main features that shall be of greatest interest are as follows:

- 1) SOC (state of charge) - this is given as a % figure. This is a fairly accurate capacity figure of your battery.
- 2) sum volt (total battery voltage). This is the voltage of your battery.
- 3) current. Current going into the battery shall appear as a positive number and current leaving the battery shall appear negative.
- 4) The area in purple. The battery is made up of 4x strings of 3V cells. The string that has the highest voltage is displayed, the lowest voltage displayed, the average voltage and the differential voltage. The job of the balancer is to keep the differential voltage as low as possible and during charge cycle the balance slider shall turn green, if the balancer has engaged.
- 5) Cycles. This is the number of discharge and charge cycles the battery has had. The higher the number the more the battery has been charged and discharged (used). Even if the battery is brand new this number may be 1 or 2 as it may have been tested first.
- 6) Power KW. This is a simple $P=IV$ calculation. The sum volt x the current. This gives an indication of the power being supply or drawn from the battery.

Parameter Settings (out of bounds)

The Parameter Settings are out of bounds to the general public. The features within here are password locked. If parameters are altered without our permission this shall void any warranty. These parameters are set by us, at AMPS.