

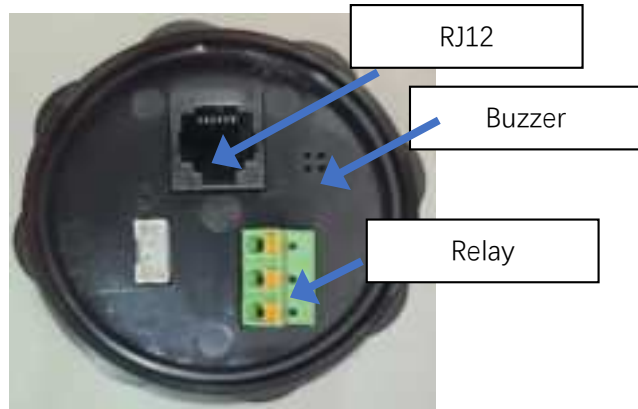
## 1、 Installation instruction

The intelligent battery monitor can achieve real-time monitoring of battery current, voltage, temperature, and capacity, and present information to users. Users can monitor battery information through mobile apps.

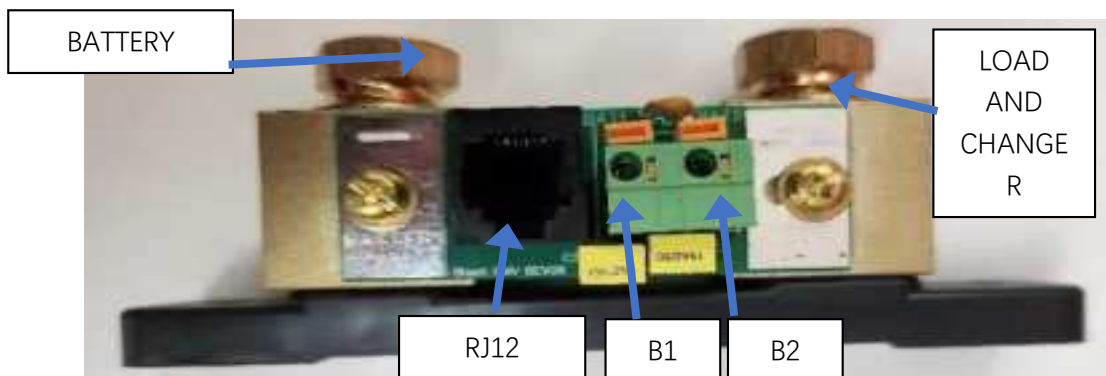
### 1.1、 Product Interface Introduction



Head unit top view



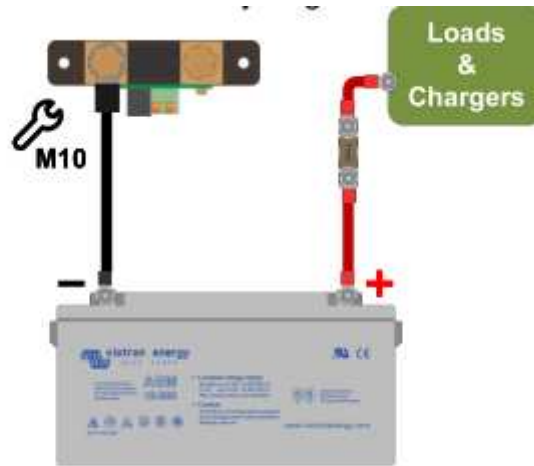
Head unit rear view



Shunt Side View

### 1.2、 Battery negative connection

- (1) Connect the negative battery terminal to the BATTERY ONLY side of the shunt
- (2) The shunt is the first and only thing that should be connected to the battery negative



**Figure 1-2**

### 1.3、 System negative connection

Connect the negative DC electrical system terminal to the LOAD AND CHARGER side of the shunt



**Figure 1-3**

### 1.4、 Power cable connection

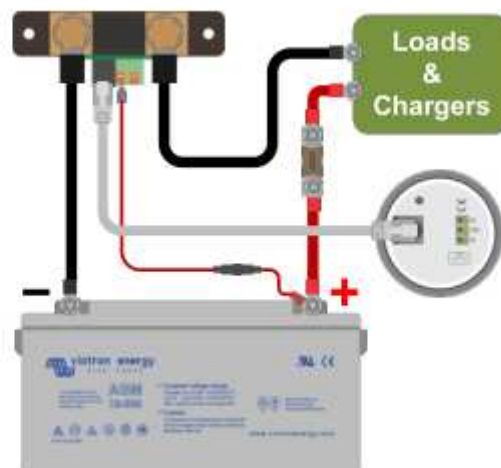
- (1) Connect one of the power cables to the battery positive
- (2) Push the other side into the b1 terminal on the shunt



**Figure 1-4**

### 1.5、 Monitor connection

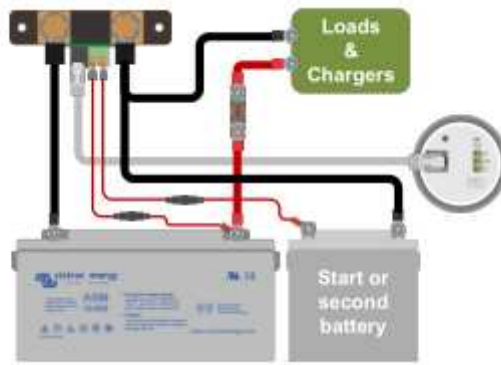
Connect the RJ12Utp cable between the shunt RJ12 terminal and the head unit RJ12 terminal



**Figure 1-5**

### 1.6、 Monitoring voltage of a second battery

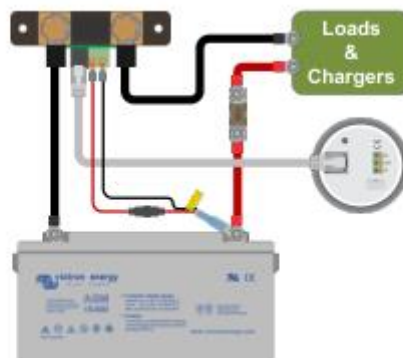
- (1) Connect the other power cable between the positive terminal of the second battery and the shunt Ba terminal
- (2) Connect negative terminal of the second battery to the LOAD AND CHARGER side of the shunt



**Figure 1-6**

### 1.7、Monitoring battery temperature

- (1) Connect the temperature sensor to the positive battery terminal
- (2) Connect the red wire to the B1 terminal
- (3) Connect the black wire to the B2 terminal



**Figure 1-7**

### 1.8、BLE Connect

- (1) For monitoring or changing settings
- (2) Download the app
- (3) Connect to the BMV Bluetooth



**Figure 1-8**

### 1.9、 Operation Setting Instructions

Set the battery capacity :

- (1) Long press the settings button to enter the settings menu bar
- (2) +- Press the key to select setting options, Select battery capacity setting options
- (3) use + and – to enter value of first digit
- (4) Press select to go to next digit
- (5) Repeat until 4 digits have been entered
- (6) Press select to store setting

Set the auxiliary input function

- (1) Long press the settings button to enter the settings menu bar
- (2) +- Press the key to select setting options, Select Aux input setting options
- (3) Use + and – to choose start temp or mid
- (4) Press select

## 2、 **Note:**

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential

installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

(1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

To maintain compliance with FCC's RF Exposure guidelines, This equipment should be installed and operated with minimum 20cm distance between the radiator and your body: Use only the supplied antenna.