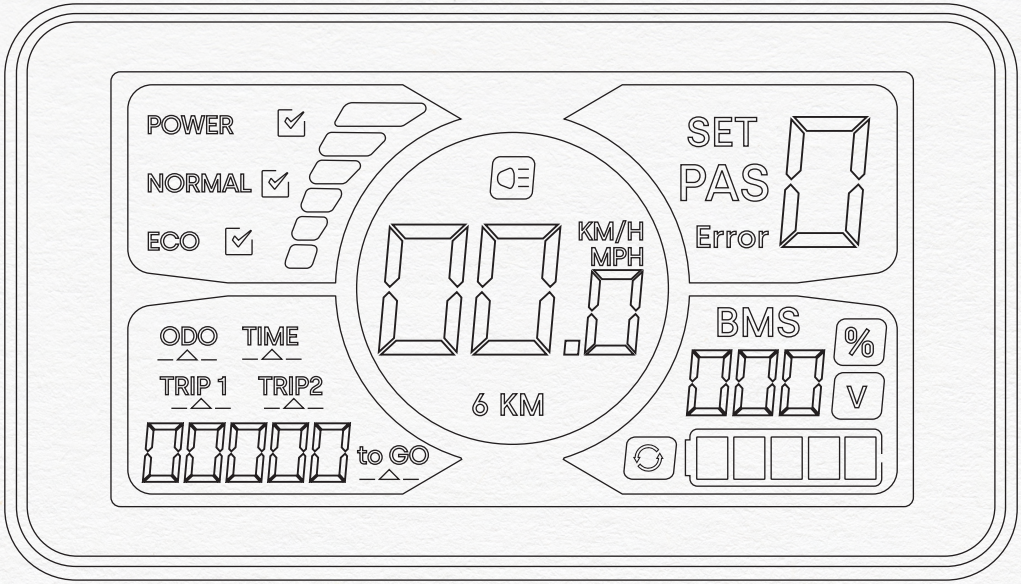
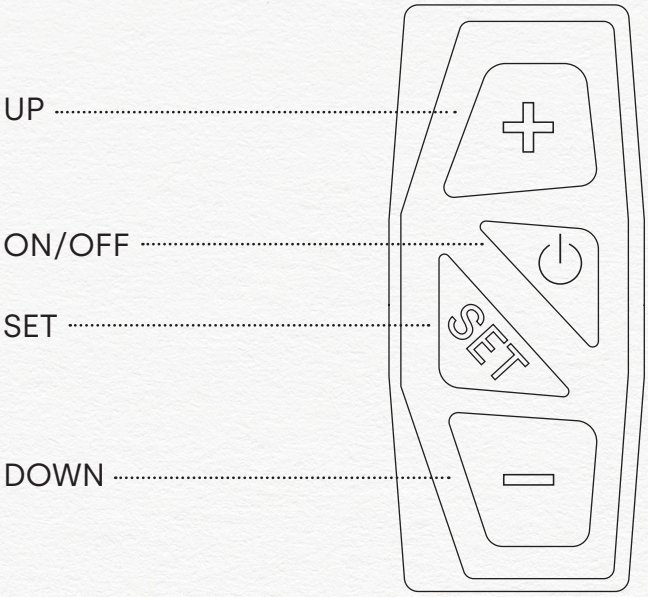
JOULVERT

Display

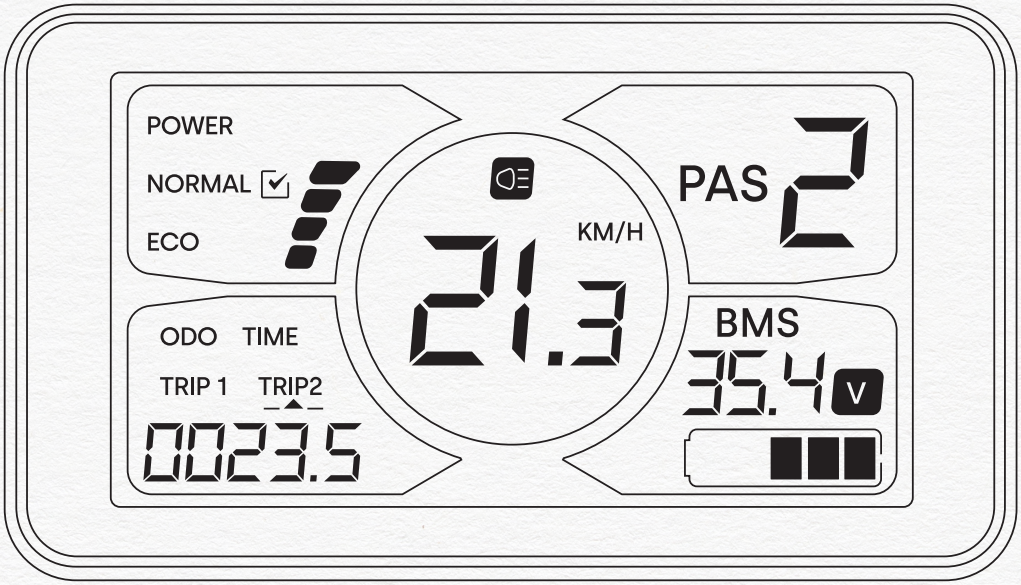

POWER
NORMAL
ECO
SET
PAS
Error
KM/H
MPH
ODO
TIME
TRIP 1
TRIP2
6 KM
to GO
BMS
%
V

Controller



Normal View Area

When the bike is turned on, the speed (in KM/H), Trip 2, PAS levels, and battery indicator will show on the display by default. The display information can be switched by simply using the SET button.

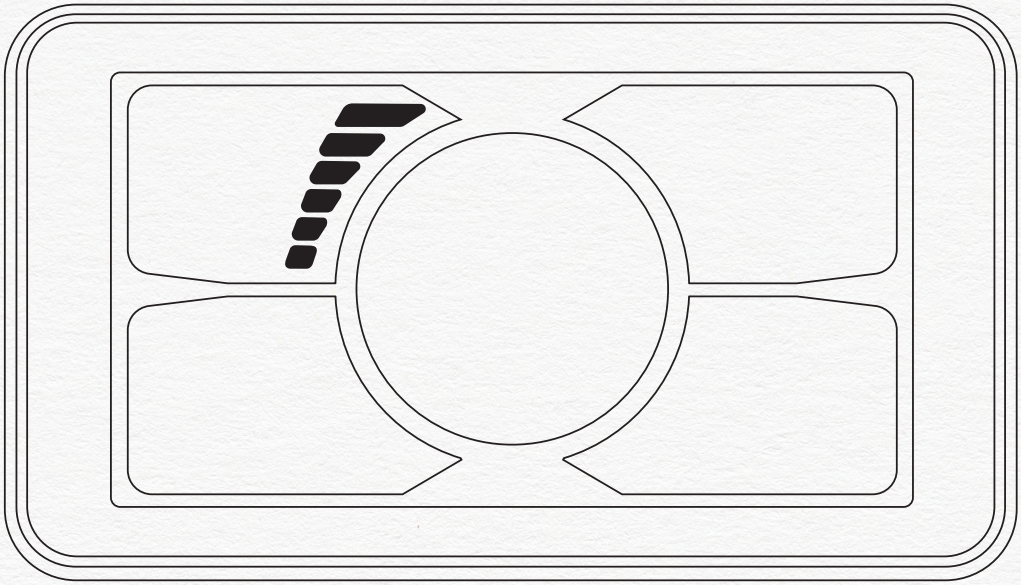


On/Off

Hold the power button for three seconds to start and turn off the display. The panel will go to sleep when the speed is 0 km/h for 5 minutes.

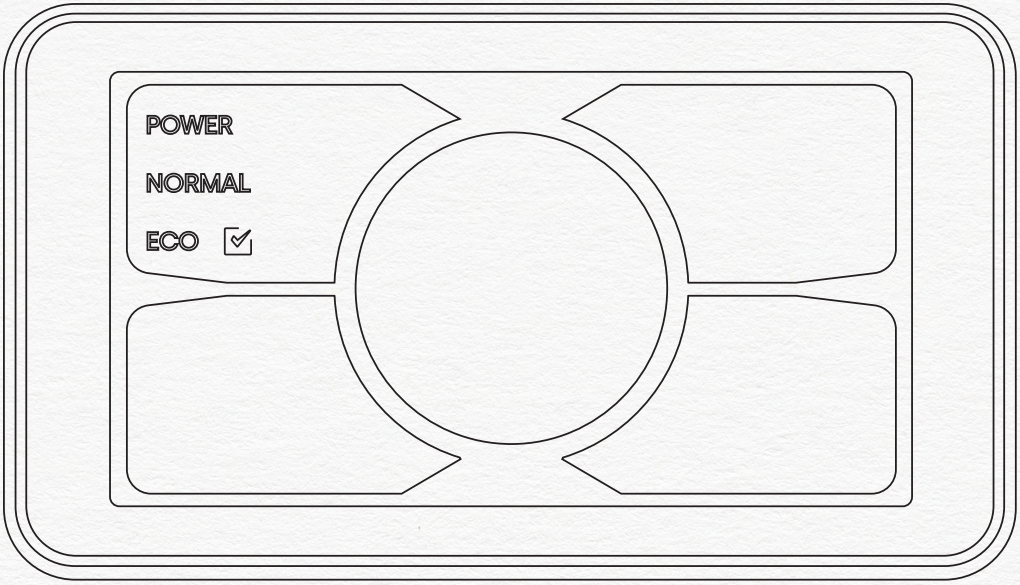
Current Display

The segments located in the top left section of the display represents the discharge current of the controller. Each segment is 2A, making all 6 segments = 12A.



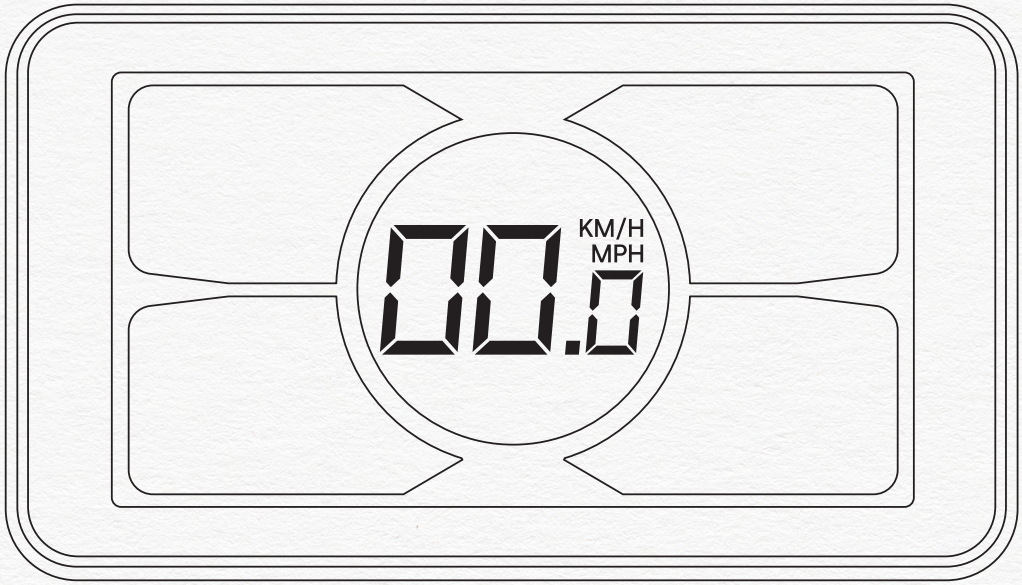
Riding Mode Selection

There are three different riding modes on the display: Power, Normal, and Eco. The bike will default in “Normal”.



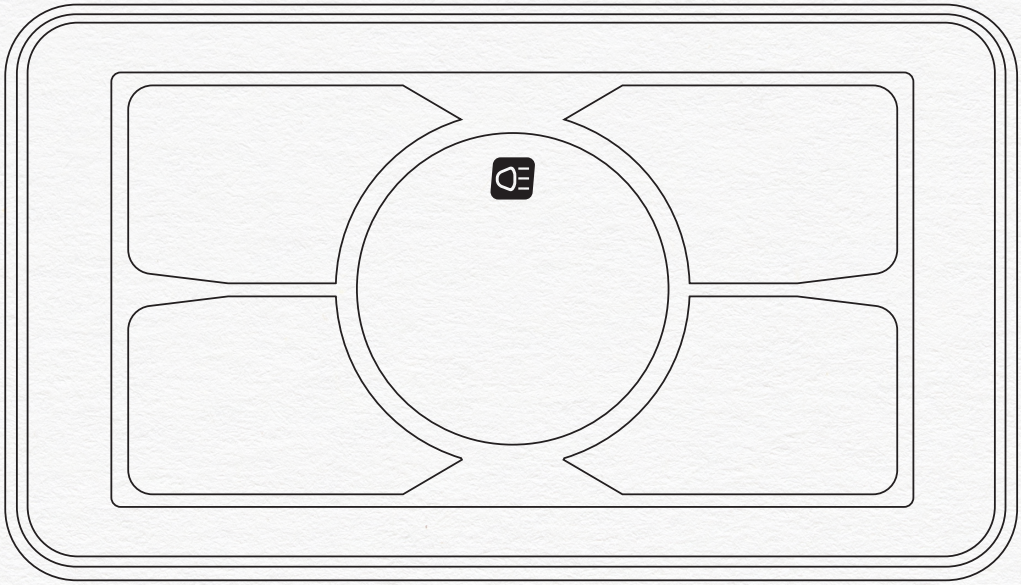
Speed Display

The speed is displayed in the middle of the screen. To switch between MPH and KM/H, the display will need to be put into the “Set” operation -
(see page 12)



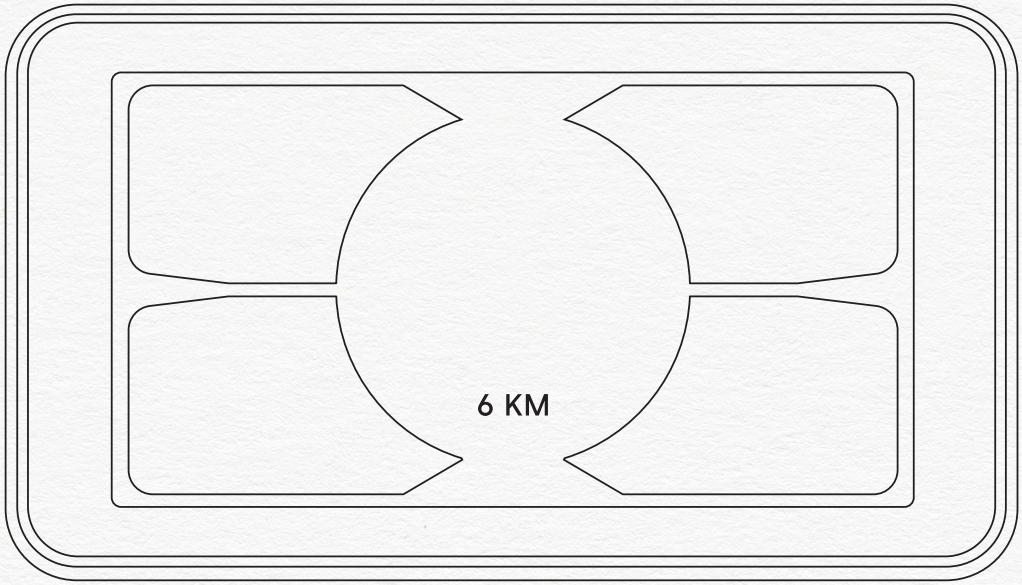
Backlight Indicator

To use the backlight, press and release the power button quickly. If the bike has a headlight, this button will turn both on and off simultaneously.



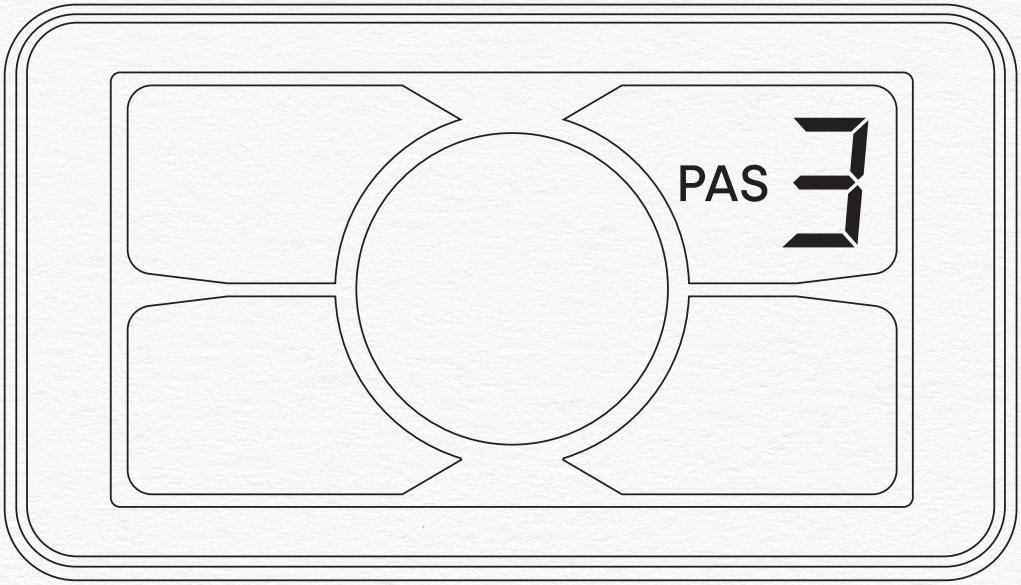
6KM/H Work

KM/H Work mode engages the motor for the bike to travel at a constant speed of 6 KM/H. To enter this mode, press and hold the "—" for 2 seconds and release. Once in this mode, the display will show the symbol seen in the figure below.



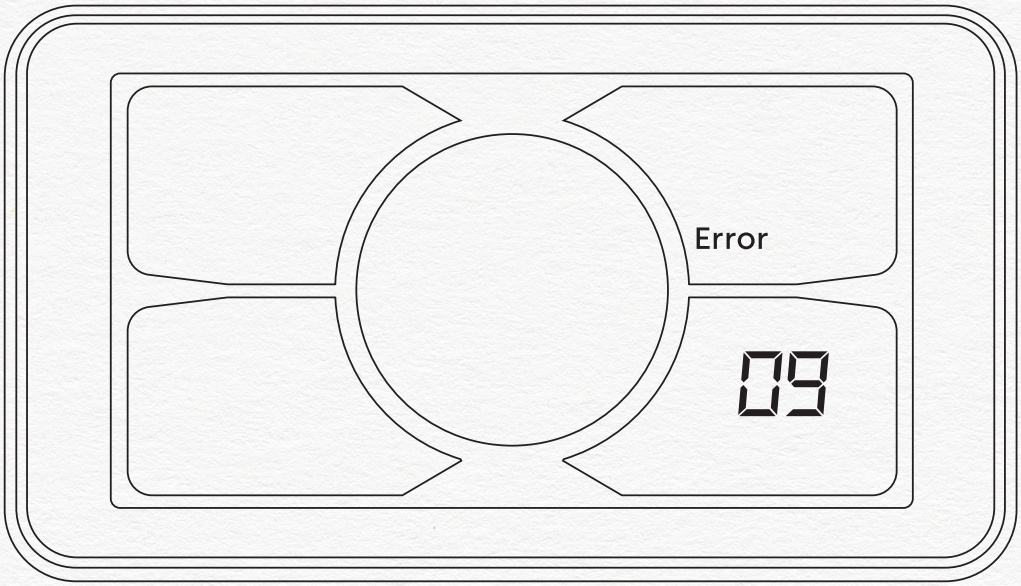
PAS Level Selection

Use the “+” and “—” buttons to change the PAS level. The bike will default at level 1 and can be increased to level 5.



Error Code Indicator

If there is any issue with the electronic control system, the display will flash “1 HZ” and show and error code automatically. The error code that is displayed will correspond with a certain issue. The display will only return to normal once the problem has been fixed. For a list of these, see the error code table on page 18.



SET Operation

To enter the set operation mode, hold the “Set” button for 3 seconds and enter into the setting interface. Click the “set” button to cycle through the setting interfaces (Set 0- Set 4). To select the wanted parameter you can use the “+” and “—” to switch between them. To save and exit from any set mode, simply hold the “Set” button for 1 second.

SET0: Riding mode selection

There are three modes for selection: Power, Normal, Eco.

SET1: Reset trip 1 distance

Click the “—” to reset trip 1. Once clicked, the screen will flash 1 HZ, and then it will be cleared.

SET2: Max speed setting

The max speed is defaulted to 25 km/h. In the “Set 2” interface, you can modify the value of max speed. If the riding speed exceeds the set value, the controller will stop supplying power to the e-bike to ensure the safety of the rider. The max speed value ranges from 25 km/h to 99.9 km/h. When set at 99.9 km/h, there is no limit for riding speed.

SET3: Wheel diameter setting

Select the accurate wheel diameter value to ensure the accuracy of your speed and milage displayed on the screen.

SET4: KM/H & MPH

Set 4 allows you to switch between unit of speeds (KM/H and MPH).

Distance Indicator

Press the “Set” button to switch the display information between ODO, Trip 1, and Trip 2.

ODO

The ODO records the driving mileage from using, the accumulated value cannot be cleared.

Trip 1

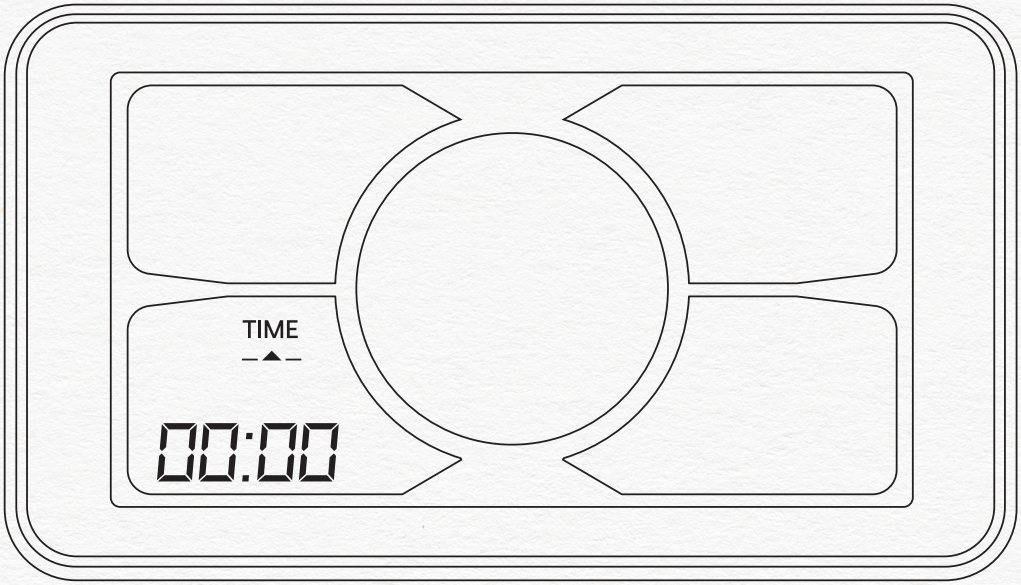
Trip 1 can be reset by hand in the “Set 1” interface. When the riding mileage = 500km, it will be reset automatically. The value will be accumulated without resetting.

Trip 2

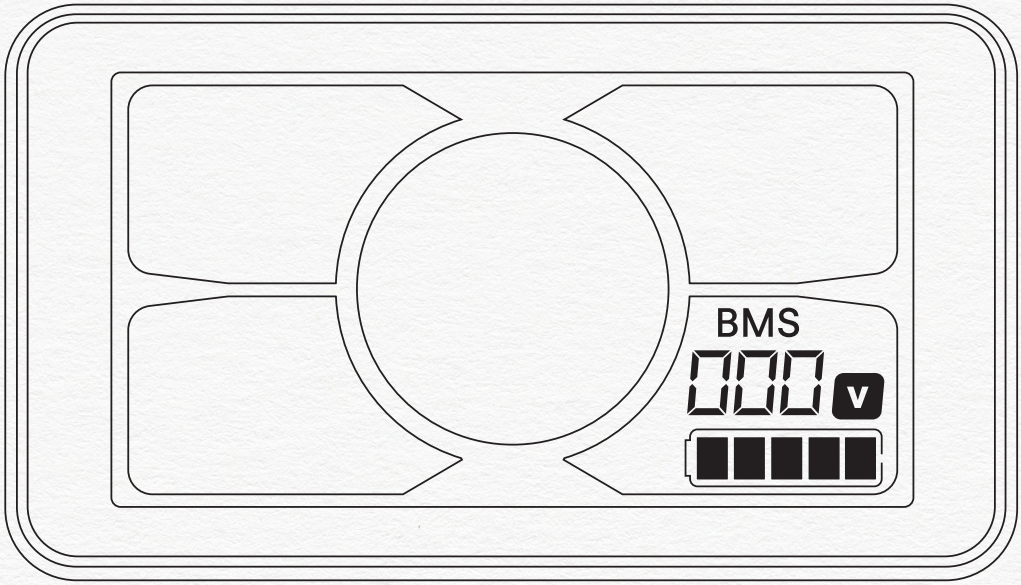
Trip 2 displays the last driving distance for 30 seconds after turning on the display, then reset it automatically and start to record the current distance.

Trip Time Indicator

The riding time parameter is automatically reset after shutting down.

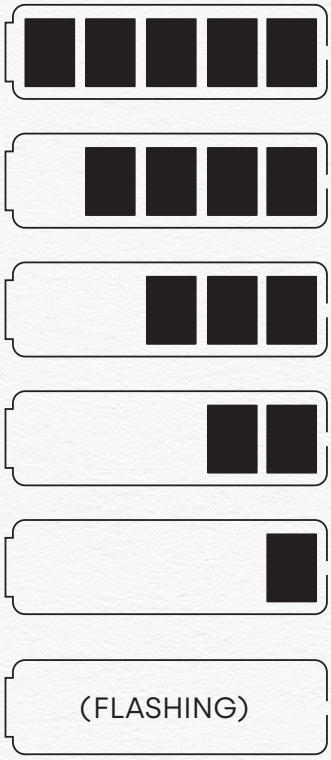


Battery Indicator



Battery Residual Capacity Indicator:

The battery frame have five segments, each segment represent 20% battery capacity. When the capacity is full, all five segments are lit. In low battery, the battery frame will flash, it indicates that the battery is severely low and needs to be recharged immediately.

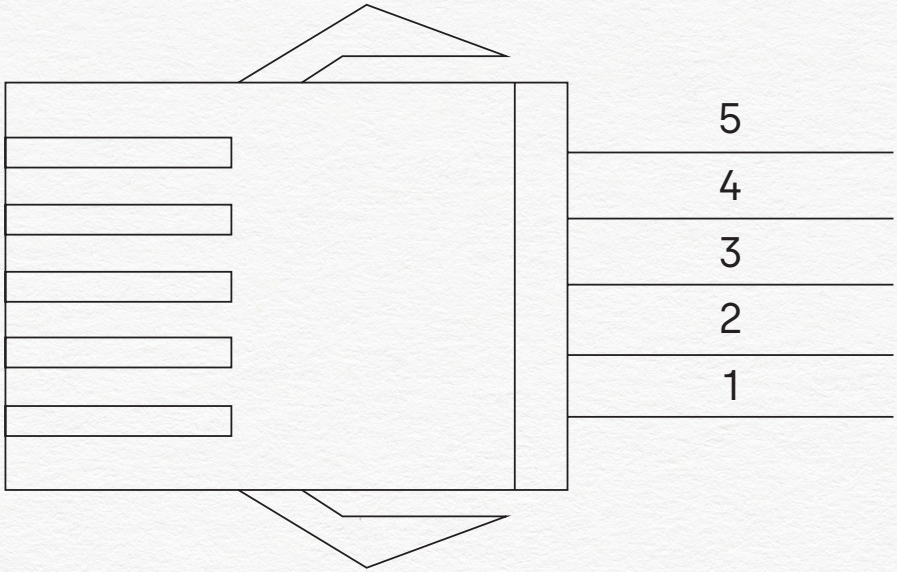


Battery Voltage:

Displays the current voltage of the battery

Cable Definition

1	RED	Battery +
2	BLUE	Lock
3	BLACK	Battery-
4	GREEN	UART-RECEIVE (RXD)
5	WHITE	UART- SEND (TXD)



Error Code	Definition
21	Current Abnormality
22	Throttle Abnormality
23	Motor Phase Abnormality
24	Motor Hall Signal Abnormality
25	Brake Abnormality
09	Panel Communication Abnormality

The error code is corresponding with the fault definition

@joulvert

info@joulvert.com