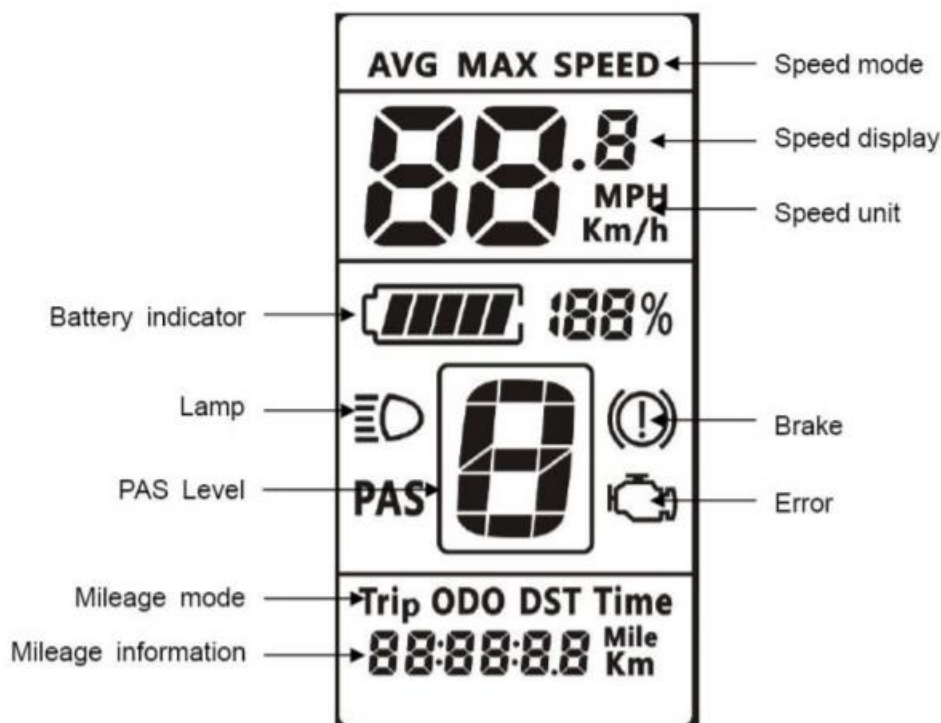
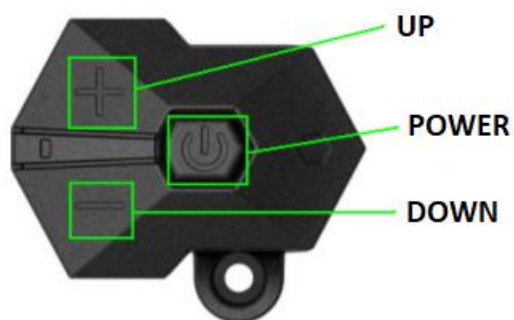


LCD Display Symbols



Functional Control Pad Description

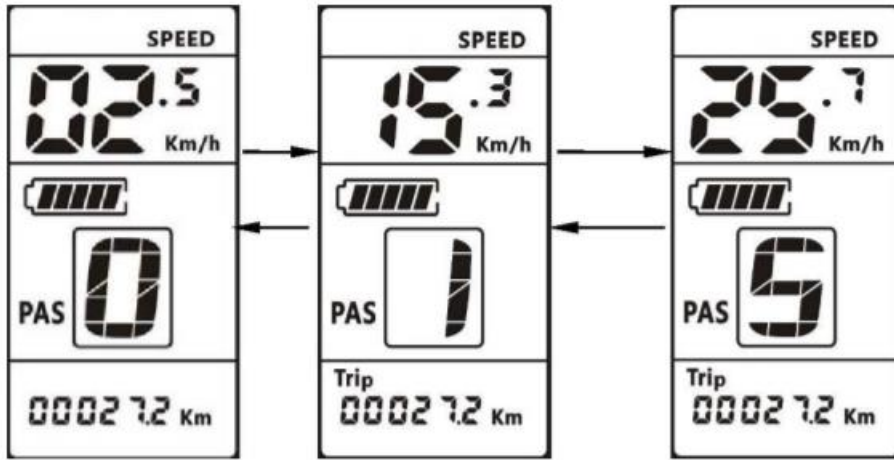


Power On/Off

Press and hold the **POWER** button to turn the display on. With the display turned on press and hold the **POWER** button to turn off the display. The display will automatically shut down when there is no operation or riding for a set number of minutes. This is 5 minutes by default and can be changed via the basic menu.

Assist level operation

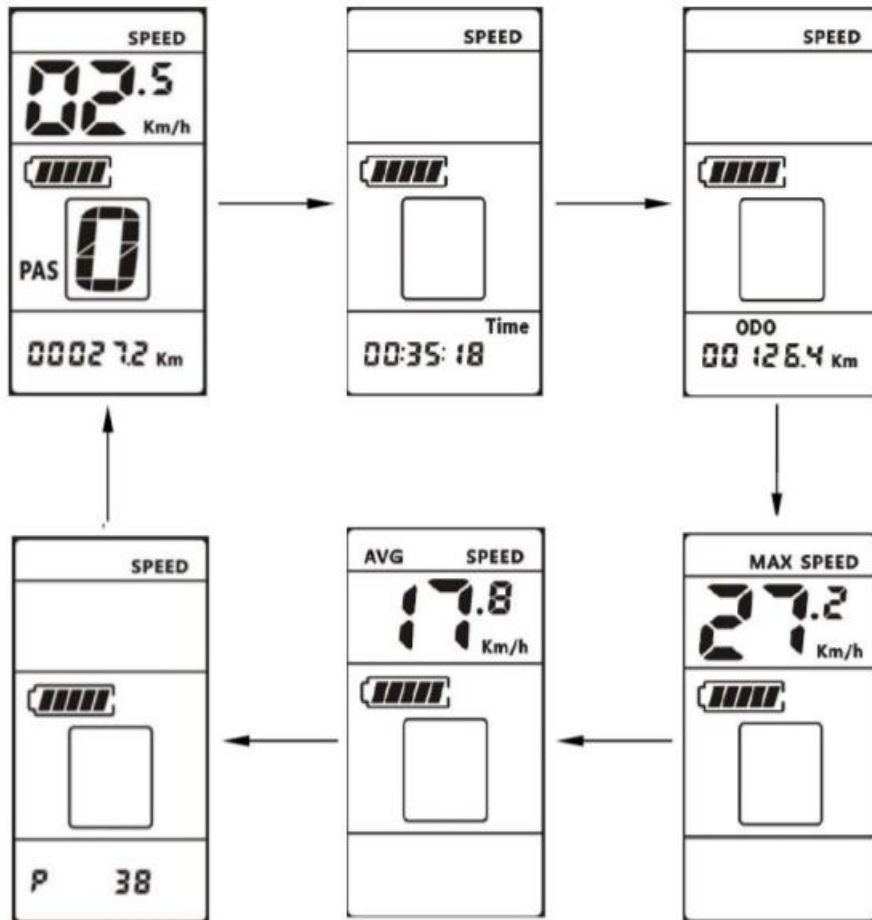
Press **UP** or **DOWN** buttons to raise or lower your assist level. Level 0 is no motor assistance. Motor will assist starting at Level 1. The range of levels can be adjusted according to user preference (default is 0~9).



Assist operation

Speed and Mileage display modes

A short press of the **POWER** button will change the display mode in the following order: Trip->Time->ODO->Power->AVG Speed->MAX Speed.

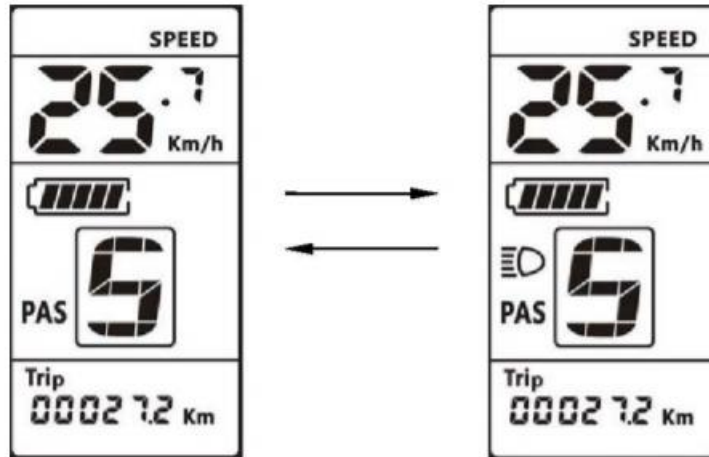


Speed and Mileage display modes

*If there is no operation for 5 seconds, display will return to the Speed (RealTime) display automatically.

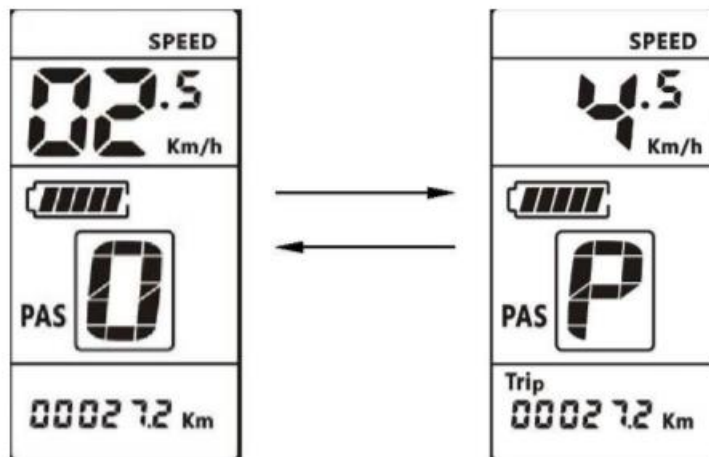
Backlight On/Off

Press and hold the **UP** button to turn the backlight on or off (indicated by the headlight symbol).



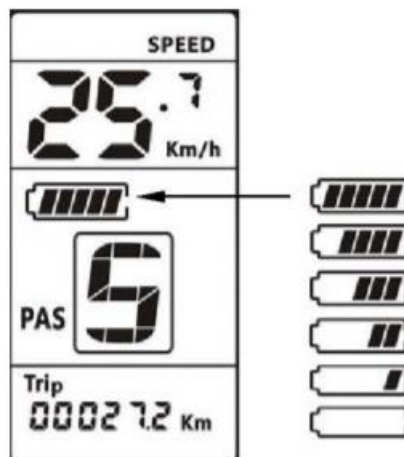
Walking mode

Walking mode will assist you in pushing your bike forward with motor power at a speed of 6km/h. Press and hold the **DOWN** button to enter walking mode and release the **DOWN** button to exit from it.



Battery indicator

Shows level of charge for the battery

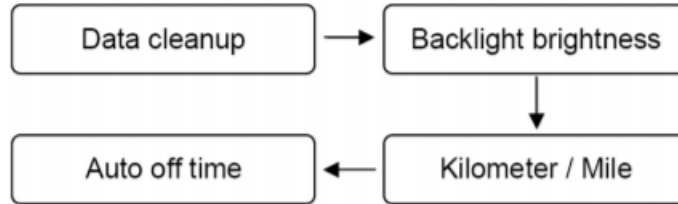


Basic Parameter settings

To enter the basic menu press and hold the **UP** and **DOWN** buttons together. The 'n' symbol will flash to indicate you are in the basic menu.

The display will automatically exit the basic menu if there is no activity for 10 seconds.

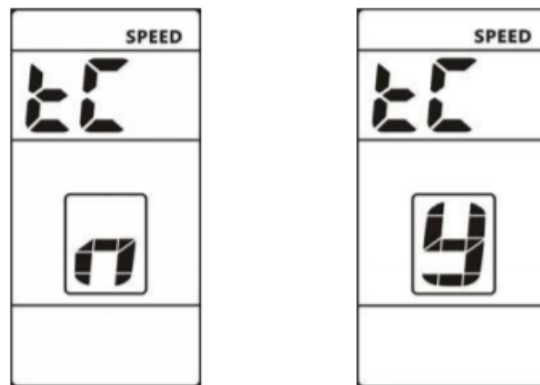
The Basic menu parameters are as follows:



Data clean-up

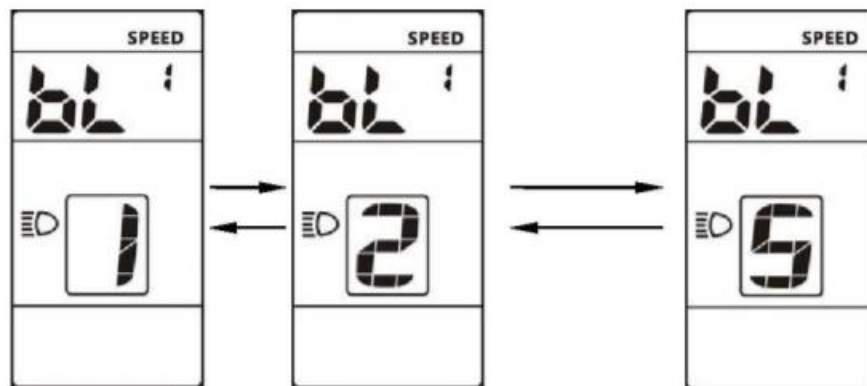
Data Clean-up resets: AVG Speed, MAX Speed, Trip and Time data.

The symbol 'tC' will be displayed. The 'n' and 'y' symbols represent 'No' and 'Yes'. To perform a 'Data clean-up' change to 'y' using the **UP** or **DOWN** buttons and press the **POWER** button. To move to the next parameter, press the **POWER** button while 'n' is displayed.



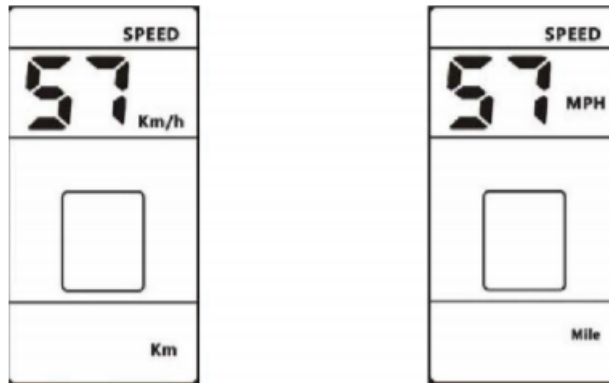
Backlight brightness

Symbol 'bL 1' will be displayed. Press the **UP** or **DOWN** button to change the brightness value. The range is 1 as the dimmest to 5 as the brightest. The default value is 3. Press the **POWER** button to save changes and move to the next parameter.



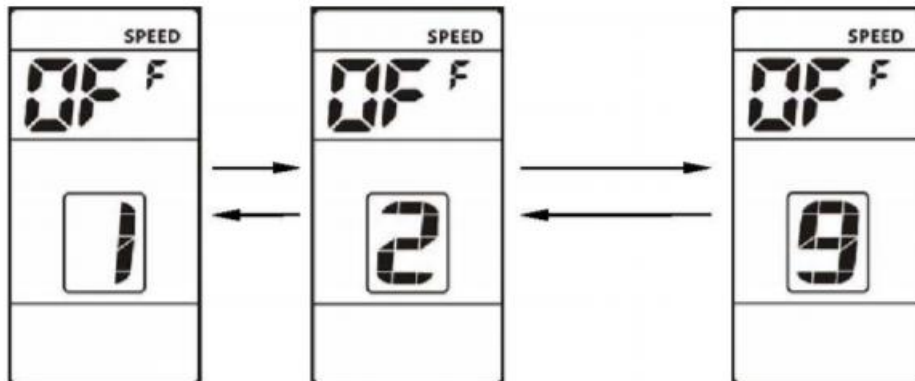
Kilometres / Miles

The symbol 'S7' is displayed. Press the **UP** or **DOWN** button to change between Km (Km/h) and Mile (MPH), then press the **POWER** button to save changes and move to the next parameter.



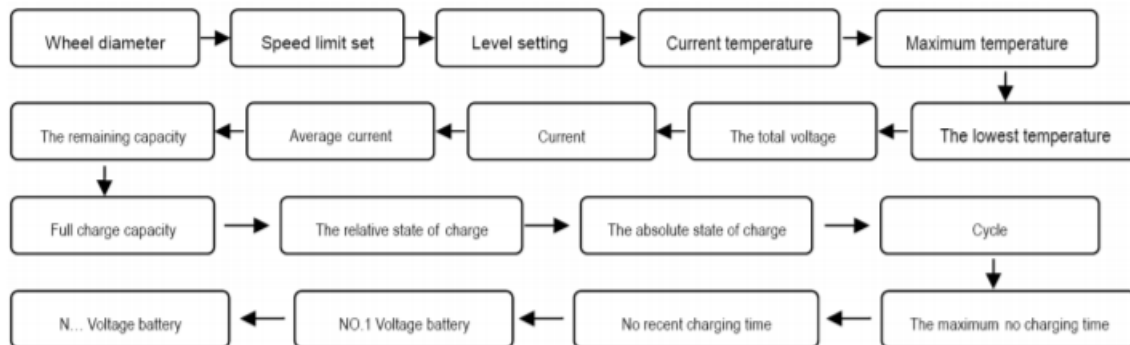
Auto off time

The symbol 'OFF' will be displayed. Press the **UP** or **DOWN** button to change the value. The range is 1 to 9 which represents the delay time in minutes before the display shuts down automatically. The default value is 5 minutes. Press the **POWER** button to confirm and move to the next setting.



Password Protected Menu

To get to the password protected menu you must first enter the basic menu by pressing the **UP** and **DOWN** buttons simultaneously. Now repeat this to enter the password protected menu. To use this menu, you must enter a 4-digit password. The default password is "0512". Use the **UP** and **DOWN** buttons to change the number and the **POWER** button to confirm and move to the next number. When the last number is entered and the password is correct, you will move to the first menu item (Wheel diameter).

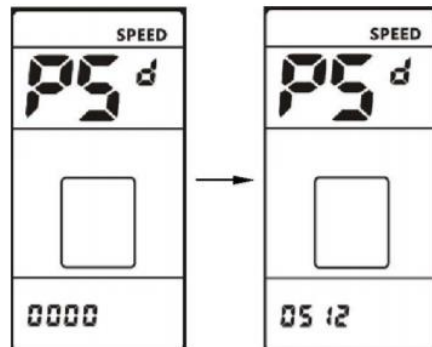


Note about the following display functions:

The display functions detailed in the following sections may not be enabled, so while they may appear, they will have zero values or not appear all together.

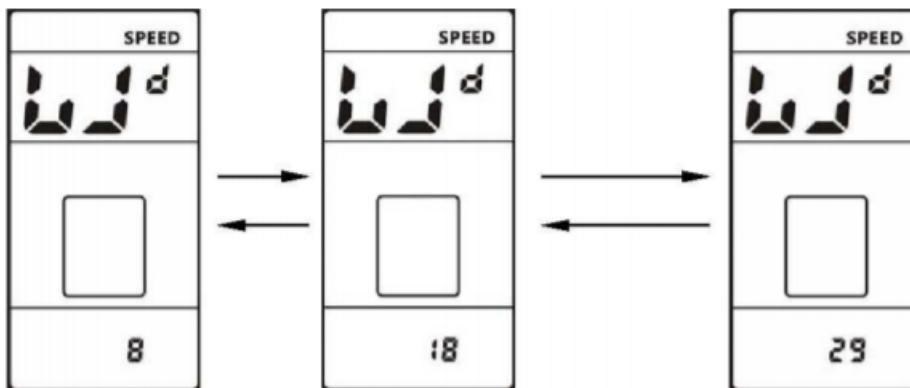
Password

The symbol 'PSd' is displayed together with "0000". Enter the password "0512" as described above.



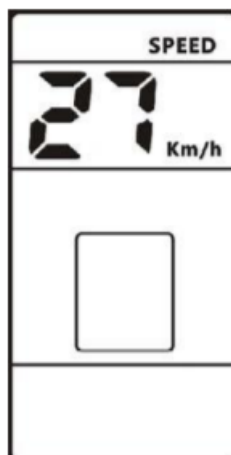
Wheel diameter

The symbol 'Wd' is displayed. Use the **UP** or **DOWN** button to select your wheel diameter in inches. The range is: 8/10/12/14/16/18/20/22/24/26/27/28/29. Selecting the wrong value will cause speed and distance errors. Press the **POWER** button to save changes and advance to the next parameter.



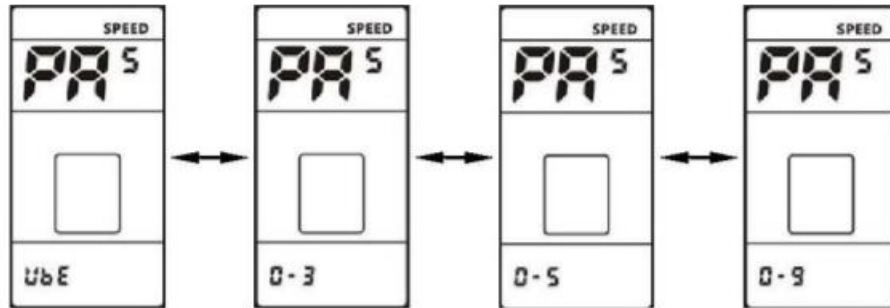
Speed limit

The current speed limit value is displayed; the default value is 27Km/h. Use the **UP** or **DOWN** buttons to modify the value from 10 to 99Km/h, although the upper speeds would probably not be achievable due to restrictions within the motor and controller. Press the **POWER** button to save changes and advance to the next parameter.



Range of assist level settings

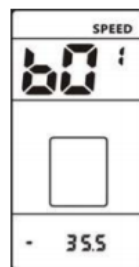
The 'PAS' symbol is displayed. You can choose the number of power assist levels; the default is UBE. Press the **UP** or **DOWN** buttons to change the value to 0-3, 0-5, 0-9 or UBE. See table below image for comparison of amount of assist levels and their relative power. Press the **POWER** button to save changes and advance to the next parameter.



3 Levels	5 Levels	9 Levels
0		0
	1	1
		2
1	2	3
		4
	3	5
2		6
	4	7
		8
3	5	9

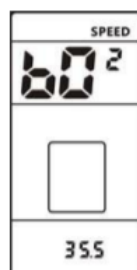
The Current temperature

The 'b01' symbol is displayed together with the current temperature value.



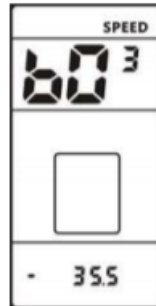
The Maximum temperature

The 'b02' symbol is displayed together with the maximum temperature value.



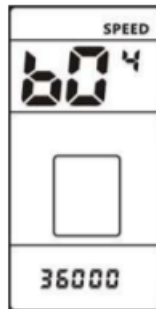
The lowest temperature

The 'b03' symbol is displayed together with the lowest temperature value.



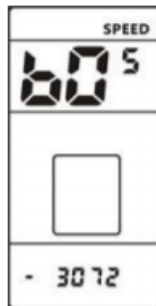
The total voltage

The 'b04' symbol is displayed together with the total voltage value.



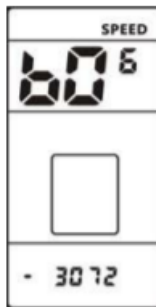
Current

The 'b05' symbol is displayed together with the current value.



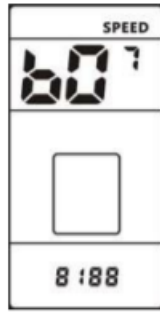
Average current

The 'b06' symbol is displayed together with the average current value.



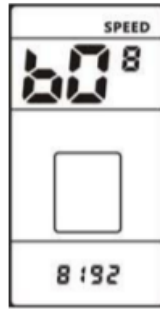
The remaining capacity

The 'b07' symbol is displayed together with the remaining capacity value.



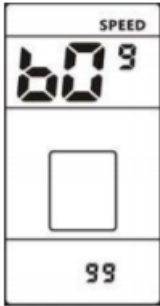
Full charge capacity

The 'b08' symbol is displayed together with the full charge capacity value.



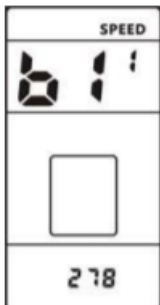
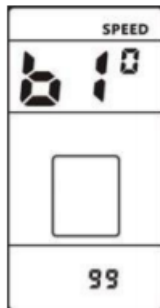
The relative state of charge

The 'b09' symbol is displayed together with the relative state of charge value.



The absolute state of charge

The 'b10' symbol is displayed together with the absolute state of charge value.

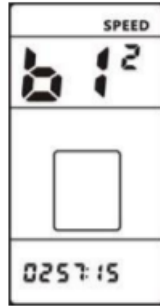


Cycle

The 'b11' symbol is displayed together with the cycle value.

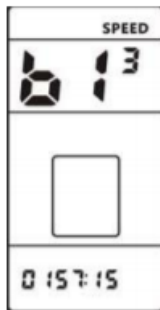
The maximum no charging time

The 'b12' symbol is displayed together with the maximum no charge time.



No recent charging time

The 'b13' symbol is displayed together with the no recent charging time.



Error Codes

If there is a problem with your E-bike an error code will be displayed. The engine icon will appear with an error code ranging from 01H~FFH. See table below for error code descriptions.

Error Code	Error Description	Error Display
0x01	Normal	No error
0x03	Brake Signal	Display 03 on speed position
0x06	Low Voltage Protection	Display 06 on speed position
0x07	High Voltage Protection	Display 07 on speed position
0x08	Hall line of motor error	Display 08 on speed position
0x09	Phase line of the motor error	Display 09 on speed position
0x10	High temperature of controller	Display 10 on speed position
0x11	Controller's temperature sensor error	Display 11 on speed position
0x12	Current Sensor error	Display 12 on speed position
0x13	Battery's temperature sensor error	Display 13 on speed position
0x14	Motor's temperature sensor error	Display 14 on speed position
0x21	Motor's speed sensor error	Display 21 on speed position
0x22	BMS Communication error	Display 22 on speed position
0x23	Headlight error	Display 23 on speed position
0x30	Communication Error	Display 30 on speed position