

Specifications

3.5"Color TFT Display (UART)



Supplier: Zhejiang Bluepoint Power Co., Ltd.

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1、 Product Name

Color TFT Display, Model C353。

2、 Specifications

Working Voltage: DC24V-DC90V

PL+ Maximum output: PL+ Maximum load current: 800mA

Rated Current: 5mA/39V

Maximum Voltage: 25mA/39V

Shutdown leakage current <1uA

Operating temperature- 20 ~ 45°C

Storage temperature -30 ~ 70°C

IP Level: IP65

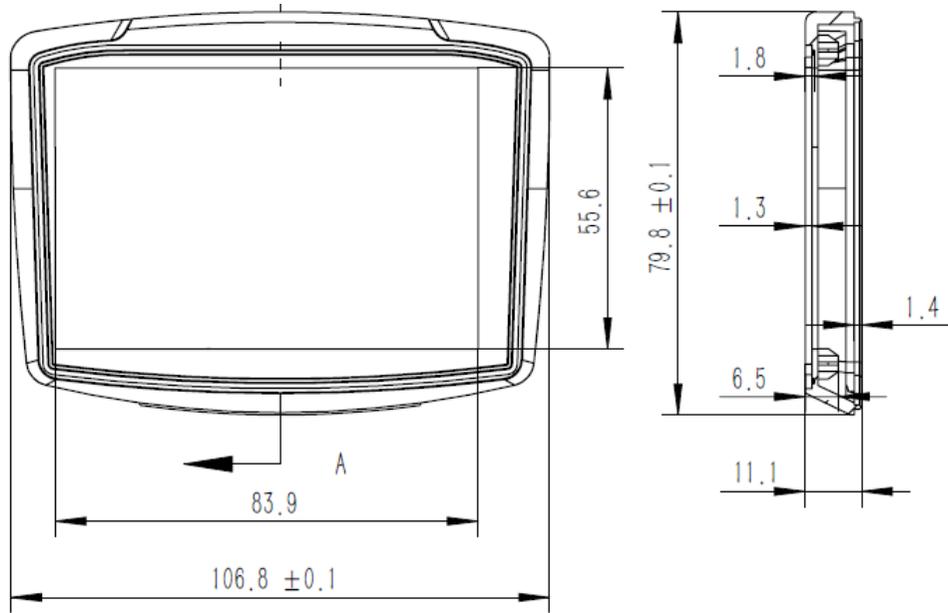
3、 Appearance Material and Size

3-1、 Material

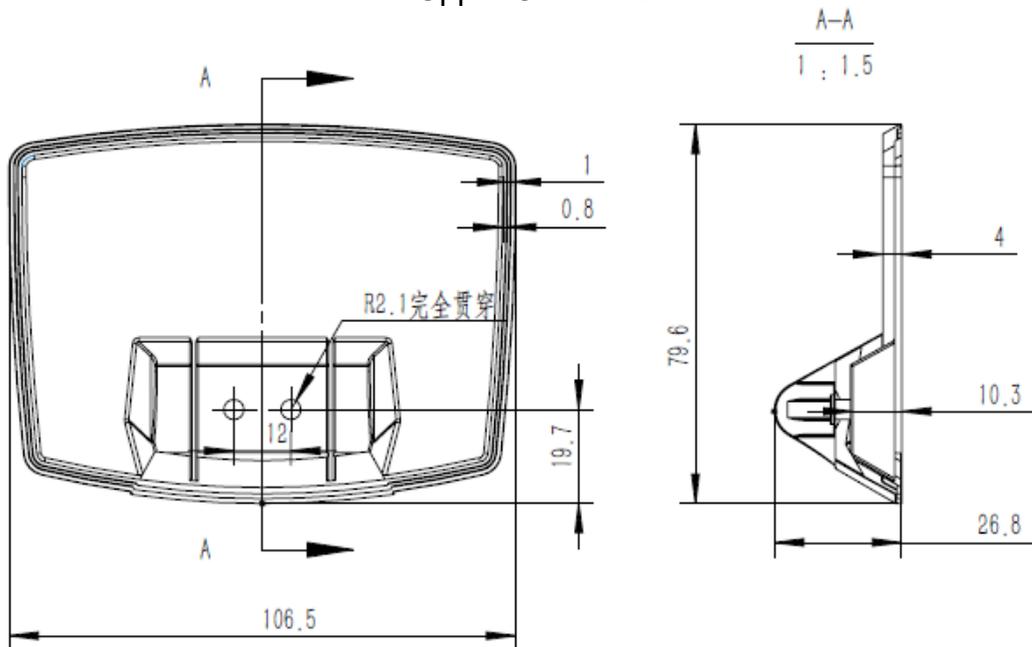
The product shell is made of black ABS material, the display window is made of PC transparent material, the button is made of silicon rubber material, and the bracket is made of black nylon material.



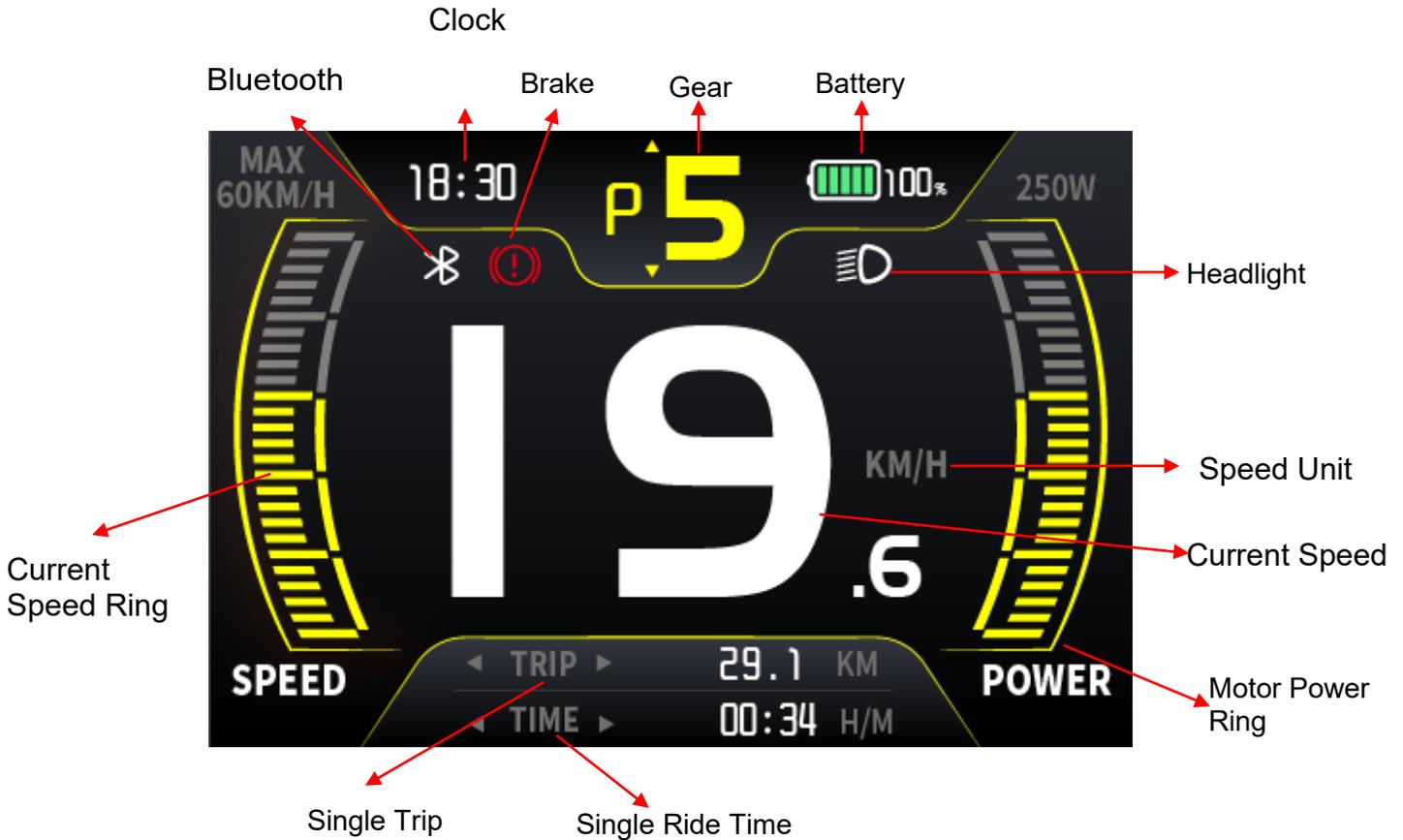
3-2、Size



Upper Cover Size



Bottom Shell Size



4、LCD Display Description

Headlight Indication: Indicates when the headlights are on.

Power icon: Displays the current remaining battery capacity.

Live Speed: Displays the speed while riding, km/h (kilometers per hour) mph (miles per hour), switchable. AVG: Average speed MAX: Maximum speed

TIME: Single ride time TRIP: Single mileage ODO: Total mileage

RANG: cruising range (the cruising range data is displayed in non-0 gear, and the 0 gear or assist gear displays --)

Cal: calorie (only when the controller sends calorie data, this item will not be displayed if it is not sent)

Gear: Displays the current assist gear, 0~3/0~5/0~9 gears are adjustable, of

which 0 means no assist in neutral, 1~9 corresponds to assist gear, assist mode.



is

The Display has three buttons. Including power/model button, Plus button, Minus button



In the following description,  replaced with the word "Power",

 replaced with the word "+",  replaced with the word "-".



The Display has four buttons. Including power button, M button, + button, - button

Display Button

5、 General operation and function description

“Long press the button>3S”Replay with the word “Long press”, “Short press the button<0.5S”Replay with the word “Short press”。

5-1、 Power On/Power Off

When the display is power off, long press “Power”, Display power on;

When the display is power on, long press “Power”, Display power off。

5-2 、 Assist gear switch

Short press“+”or“-”, Switch the assist gear, the lowest gear is Gear1, the highest gear is Gear9, and the Gear0 is neutral without assistance.

5-3、 Assist mode

When the speed is zero, you can long press“-”in any gear to enter the assist

status, the assist icon will be displayed, and releasing the“-”the display will immediately return to the gear before the assisting.

5-4 、 Headlight Turn on/off

Turn on: long press the“+” when the light is off, the headlight icon will be displayed and inform the controller to turn on the light.

Turn off: Long press the“+”when the light is on, the headlight icon disappeared and inform the controller to turn off the light.

5-5 、 Parameter switch

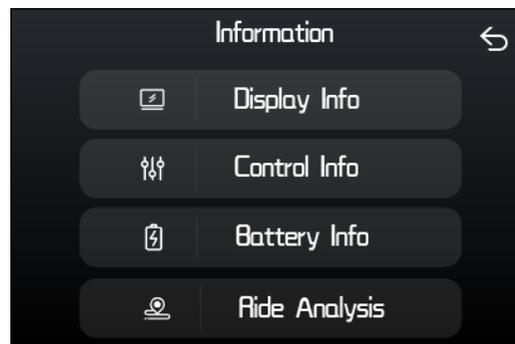
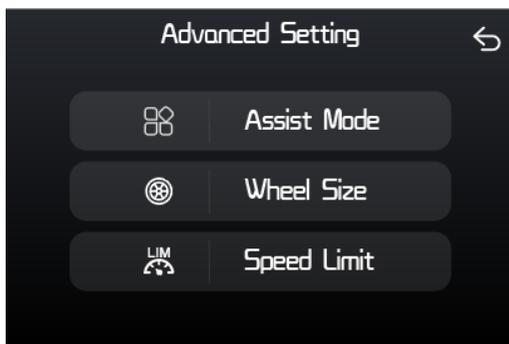
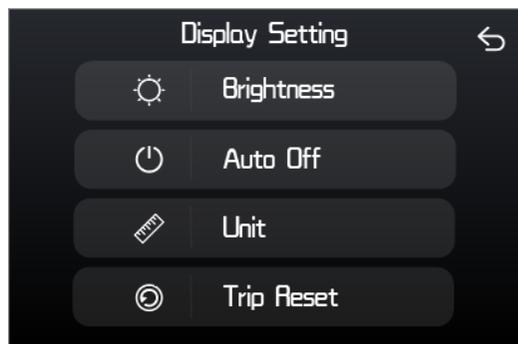
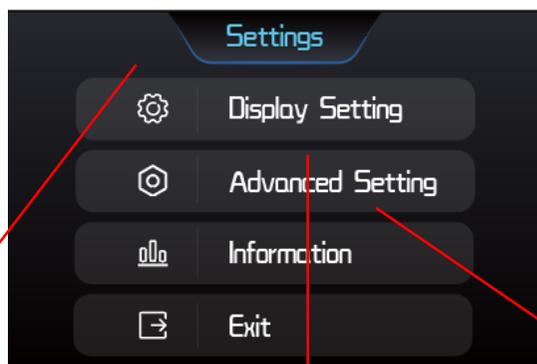
Main interface short press the “power”, Cyclable display the TRIP (single mileage) /ODO (total mileage) -MAX(maximum speed)/AVG (average speed) -TIME (riding time) /TRIP (single mileage) -RANG (driving range) /CAL (calorie) 。

5-6、Bluetooth

You can choose to install a Bluetooth module to customize the instrument and control the display through a Bluetooth APP.

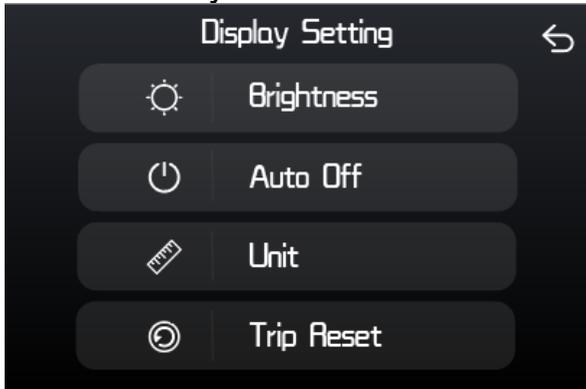
6、Function Selection

When the speed is 0, long press the "M" button on the main interface to enter the function selection interface, short press "+" or "-" to select Display Setting - Advanced Setting - Information - Exit, short press the "M" to confirm the option to enter the secondary interface.



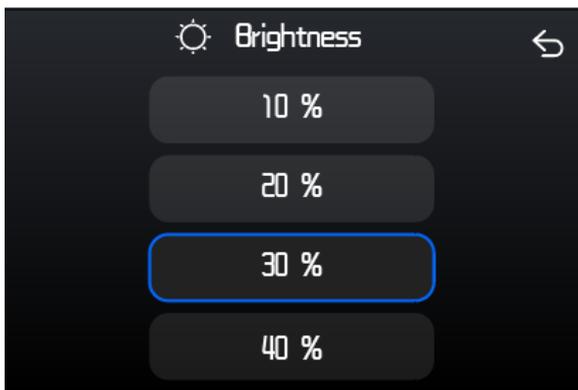
7、Display Setting

In the Display Setting interface, short press "+" or "-" to select Brightness - Auto Off - Unit - TRIP Reset - Set Time. Short press the "M" to confirm the option and enter the secondary interface.



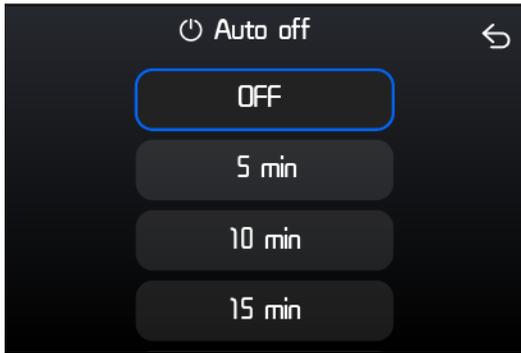
7-1、 Backlight brightness setting

Enter the "Display Setting" menu, short press "+" or "-" to select "Brightness", short press the "M key" to enter the settings, short press "+" or "-" to select the backlight brightness percentage, short press the "M key" to save and exit.



7-2、 Automatic shutdown time setting

Enter the "Display Setting" menu, short press "+" or "-" to select "Auto Off", short press the "M" to enter the setting, short press "+" or "-" to select the automatic shutdown time, the range is 0~60min, where "OFF" represents 0, which means no automatic shutdown, short press the "M" to save and exit.



7-3、Converting between Imperial and Metric Units

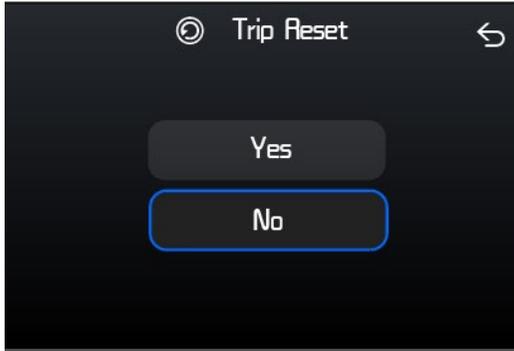
Enter the "Display Setting" menu, short press "+" or "-" to select "Unit", short press the "M" to enter the settings, short press "+" or "-" to select "Metric"/"Imperial", short press the "M" to save and exit.



Note: When the metric system is selected, all information on the main interface is in metric system, and the same applies to imperial system.

7-4、Single Trip Reset

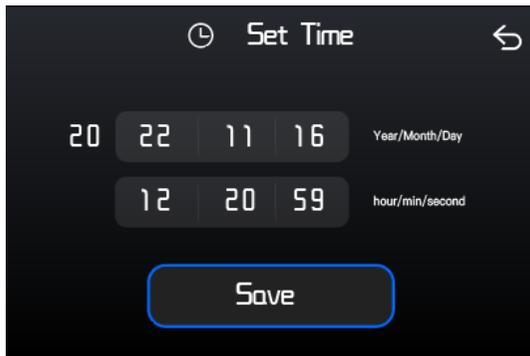
Enter the "Display Setting" interface, short press "+" or "-" to select "Trip Reset", short press the "M" to enter the setting, short press "+" or "-" to select "NO"/"YES" ("YES" means clearing, "NO" means not clearing), short press the "M" to save and exit.



Note: When the single trip is reset once, the riding time, average speed and maximum speed are also reset.

7-5、Clock Settings

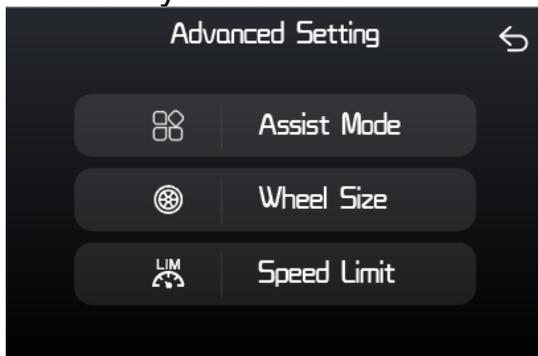
Enter the Display Setting interface, short press "+" or "-" to select Set Time, short press the "M" to enter the setting, short press "+" or "-" to select and adjust the time parameters, and after the setting is completed, short press "Save" to save and exit.



Note: The time will be automatically calibrated after connecting to Bluetooth

8、Advanced Setting

In the Advanced Setting interface, short press "+" or "-" to select Assist Mode — Wheel Size — Speed Limit. Short press the "M" to confirm the option and enter the secondary interface.



8.1 Assist Mode Setting

In the "Advanced Setting" interface, short press "+" or "-" to select "Assist Mode ", short press the "M" to enter the settings, select the overall gear, short press the "M" to save and exit.



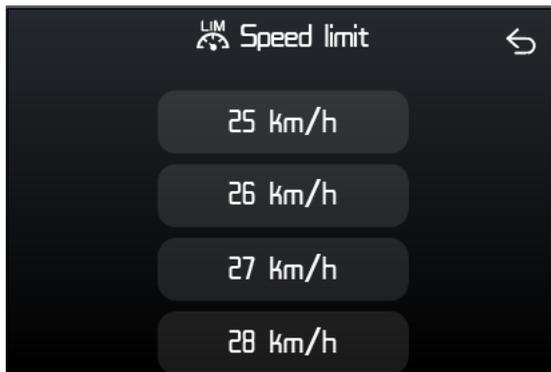
8.2 Wheel Size Setting

In the Advanced Setting interface, short press "+" or "-" to select Wheel Size, short press "M" to enter the setting, short press "+" or "-" to select the wheel diameter value, the wheel diameter range is 6~34. Short press "M" to save and exit.



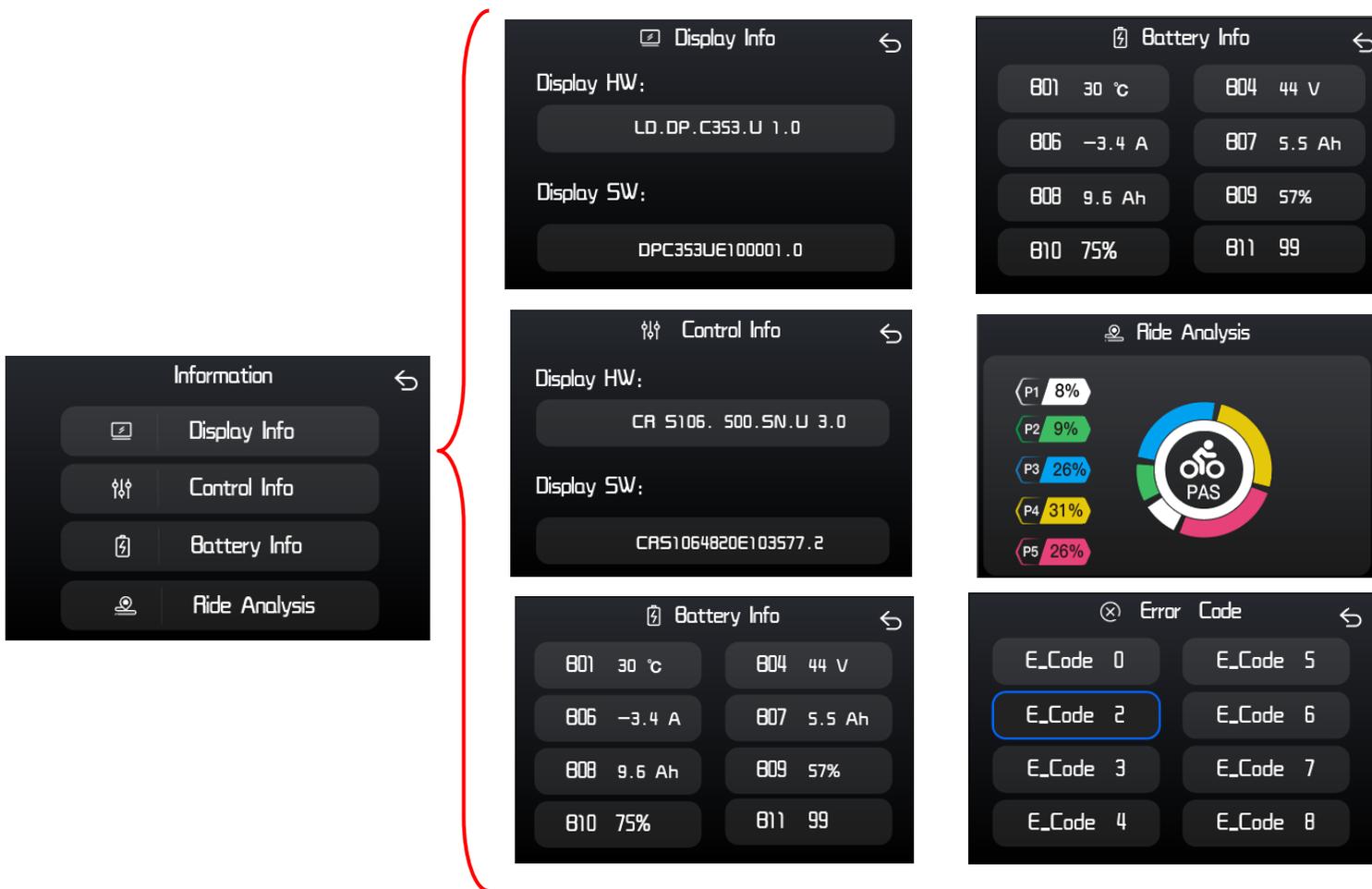
8.3 Speed Limit Setting

In the Advanced Setting interface, short press "+" or "-" to select Speed Limit, short press "M" to enter the setting, short press "+" or "-" to select the speed limit value, the speed limit value range is 10~99. Short press "M" to save and exit.



9、Information

In the Information interface, short press "+" or "-" to select Display Info - Controller Info - Battery Info - Ride Analysis - Error Code. Short press the "M" to confirm and enter the secondary interface



Note: On the error code interface, long press the "on/off key" & "+" & "-" at the same time, and the error record will be cleared.

10、 Error Code Reference Table

Error code values are based on the current configuration controller definition. Represented in hexadecimal.

Error Code	Meanings	Remark
E03	Braked	Not displayed
E04	The throttle does not return to the position (stop at the high position)	
E05	Throttle failure	
E06	Low voltage protection	
E07	Overvoltage protection	
E08	Motor hall signal wire failure	
E09	Motor phase line failure	
E10	Motor temperature reaches temperature protection point	
E11	Motor temperature sensor fault	
E12	Current sensor fault	
E13	Temperature failure inside the battery	
E14	Controller temperature reaches temperature protection point	
E15	Temperature sensor failure in controller	
E21	Speed sensor failure	
E22	BMS Communication failure	The display does not read the message, display— No code is displayed.
E23	Headlight failure	
E24	Headlight sensor failure	
E25	Torque sensor torque signal failure	
E26	Torque sensor speed failure	

E30	Communication failure	The display automatically detects communication failures. The controller does not upload this information
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