

product manual

Product Name: Dashboard

- 一、Controller features: quiet, small torque pulsation of motor, low vehicle noise and comfortable feeling in driving. Based on the algorithm of field-oriented control (FOC) , the controller has high efficiency in conversion and can effectively low the temperature of the controller and extend the vehicle endurance.

二、product technical parameter

ITEM	MINIMUM	REGULAR	MAXIMUM	UNIT	REMARKS
Operation voltage	30	37	42.5	V	
Low-voltage	30	—	—	V	
Over-Voltage	—	—	45	V	
motor current limit	—	—	16 ± 1	A	
Static current	10	15	20	uA	
Closed current	15	20	25	mA	
Operation temperature	-20	50	80	℃	
Rated Power	350W				
Locked-roller protection	3 seconds				
Sleep time	5minutes				
cruise control	5 seconds				
Light power	1W				
Conversion effeciency	$\leq 80\%$				
Eabs	<8m				
Current waveform	sine wave				
Starting mode	Non zero start				

四、product illustration

1、Power mode: click power on and press for 3 seconds to power off

2、Gear shift: double click to change gear

3、LED light: click the button to turn on the headlights when the machine is on and click again to turn off the headlights

4、

Brake Tail light: The tail light is always on when the headlight is on and flashes while braking.

5、

Gear speed limits: lower speed, 15km/h, middle speed 20km/h high speed 25km/h;

6、

Enter cruise: First, turn on cruise control at the APP end, turn the handle stably for 5 seconds in the riding state and enter cruise control mode without change, and the buzzer emits a sound;

7、

Exit cruise: turn the knob again or press the brake to exit cruise in cruise mode;

8、

Handle voltage: the handle voltage range is 0.8V-4.2V;

9、

Low voltage indication: When the battery power is too low, the power symbol flashes.

五、connecting-port description

Controller battery base	XT30_3.6mm black straight male plug base
Controller motor base	6.3mm Flip chip
Battery communication base	2.0mm 3PIN connection base
Instrument communication	2.0mm 4PIN connection base

base	
Instrument brake line	Connection port:3P male line length: 85mm
Instrument turn line	Connection port:3P female line length: 85mm
Instrument headlight line	Connection port:2P male line length: 85mm

FCC Warning:

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.

Caution: Any changes or modifications to this device not explicitly approved by manufacturer could void your authority to operate this equipment.

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.

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 0cm between the radiator and your body.