

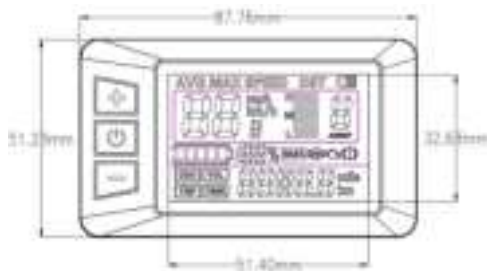
LCD-P3H Hand Control Panel Operation Instruction

2020 Latest Edition-V1.0

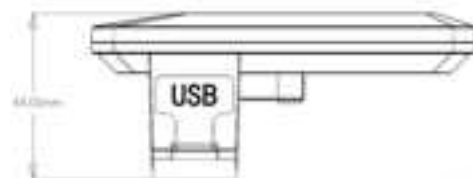


ONE. The apparent size and material

The shell of the product is ABS, and the liquid crystal transparent window is imported acrylic with high hardness, whose hardness is equivalent to the tempered glass.



elevation view



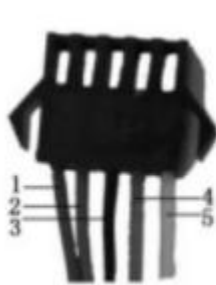
side view

TWO. Working voltage and connection mode

(1) working voltage: DC24V, 36V, 48V, 60V compatibility (instrument selection setting), Other voltages can be customized.

(2) connection mode:

Line sequence of the label connector



Connected to the controller



Meter outlet end



To the terminal

Note:The lead wire of some products uses the waterproof connector, and the user cannot see the lead color in the wire harness

三、Function description:

1.display function

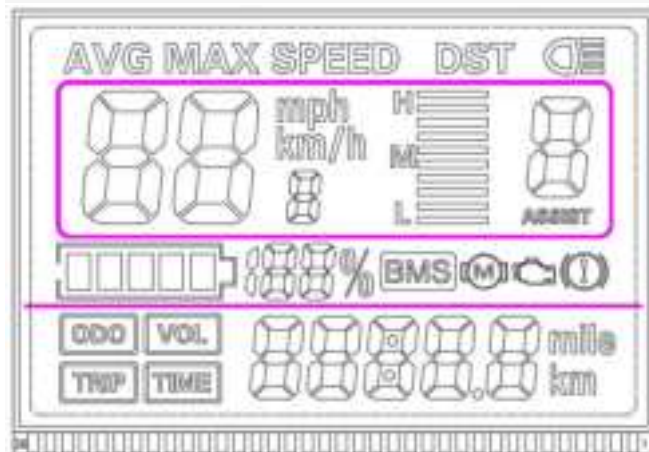
Speed display, power indicator, fault indication, total mileage, single mileage

2.Control, setting up functions

Power switch control, wheel diameter setting, idle automatic hibernation time setting, backlight brightness setting, Start mode setting, drive mode setting, voltage level setting, controller limit value setting,

3.Communication protocol:UART

All contents of the display screen (full display in boot 1S)



Show content introduction

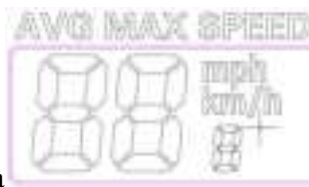
3.1 Battery power and BMS residual power display



3.2 Multifunctional display area



Total mileage ODO, single mileage TRIP(unit: mile, km), single boot time TIME, battery voltage VOL, DST: endurance



3.3 Speed display area

AVG: average speed, MAX: max speed, SPEED: current speed; 单位 Mp/h, km/h

The speed signal is taken from the Hall signal in the motor and sent to the instrument by the controller.(The time of a single Hall period, unit: 1MS) The instrument will calculate the true speed based on the diameter of the wheel and the signal data(the number of magnetic steel needed by the motor Hall)



3.4 Vehicle power gear adjustment

,0-9 digital display and file bar display;

display;



3.5 Vehicle status display area

:Motor failure; :brake tip; :Headlight on prompt;

Condition code meaning of number 2 vehicle:

Status code(Decimal system)	Condition meaning	Remark
E02	Brake	
E06	Battery under voltage	
E07	Electrical machinery problem	
E08	handle problem	
E09	Controller problem	
E10	Communication reception problem	
E11	Communication send problem	

4. Setting

P01: Backlight brightness, level 1 darkest, level 3 brightest;

P02: mileage unit, 0: KM; 1: MILE;

P03: Voltage level: 24V, 36V, 48V, 60V, 64V default 36V;

P04: Dormancy time: 0, not dormancy; Other numbers are dormancy times, range: 1-60; Unit minutes;

P05: Help file bit: 0, 3 file mode:

1,5 gear mode:

P06: Wheel diameter: unit, inch; Precision: 0.1;

This parameter is related to the meter display speed and needs to be entered correctly;

P07: Speed gauge magnetic steel number: range: 1-100;

This parameter is related to the meter display speed and needs to be entered correctly;

If it is an ordinary hub motor, direct input of magnetic steel;
If it is a high-speed motor, it is also necessary to calculate the deceleration ratio, and
the input data = the number of magnetic steel $\times$ deceleration ratio;

For example: number of motor magnets 20, deceleration ratio 4.3: input data is: $86 = 20 \times 4.3$

P08: Speed limit: range 0-100km / H, 100 means no speed limit,
The input data here represents the maximum operating speed of the vehicle: for
example, input 25, indicating that the maximum operating speed of the vehicle will
not exceed 25km/h; Drive speed maintained at set value,

Error: ± 1 km/h; (Speed limit for power and steering)

Note: The value here is based on kilometers. When the unit setting is converted from
kilometers to miles, the speed value of the display interface automatically converts
to the correct mile value, but the speed limit value set at this menu under the mile
interface is not converted. Is inconsistent with the actual speed limit of the mile
speed;

Note: P09-P15 menu is only valid in communication state

P09: zero start, non-zero start setting, 0: zero start; 1: Non-zero start;

P10: The drive mode is set to 0: Power Drive(how much power is output is
determined by the power file bit, and the switch is invalid).

1: Electric drive(by turning the handle drive, when the power file bit is invalid).

2: Power Drive and Electric Drive Coexistence

P11: Help sensitivity setting range: 1-24;

P12: Help start intensity setting range: 0-5;

P13: Power Magnetic Steel Disk Type Setting 5, 8, 12 Magnetic Steel Types

P14: Controller limit value set default 12A range: 1-20A

P15: Controller undervoltage

P16: ODO zero setting length press key 5 seconds ODO zero

P17 :0: No enabling cruising, 1: enabling cruising; Automatic cruise optional(valid for
protocol 2 only)

P18: Display speed ratio adjustment range: 50 % ~ 150 %,

P19: 0 power bit, 0: 0, 1: does not include 0

P20 :0:2 Protocol 1:5 S Protocol 2: Standby 3: Standby

四、Key Introduction:

1、Under shutdown, long press  key is boot; after boot,  Boot key, Interface
switching between ODO, TRIP, VOL, TIME.

2、Boot state, long press  key is turn off, short press  key, Help file
+1, short press  key, help file-1;

3、long press  key+ key enter Mode Settings

Parameter value modification: under a parameter state, short press  key
Switch Parameters, short press  key Increase in value, short press  key
reduces the value, and when it's modified, short press  key Switch to the next
parameter and save the previous parameter value; Parameters modified long Press
again.  key+  key Exit the settings interface. If not, wait 8 seconds to
automatically exit and save the parameters.

Note: Due to the upgrade of the company's products, it is possible that the contents
of the product section you get will be different from the specifications, but it will not
affect your normal use.

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