PASELEC

USER MANUAL

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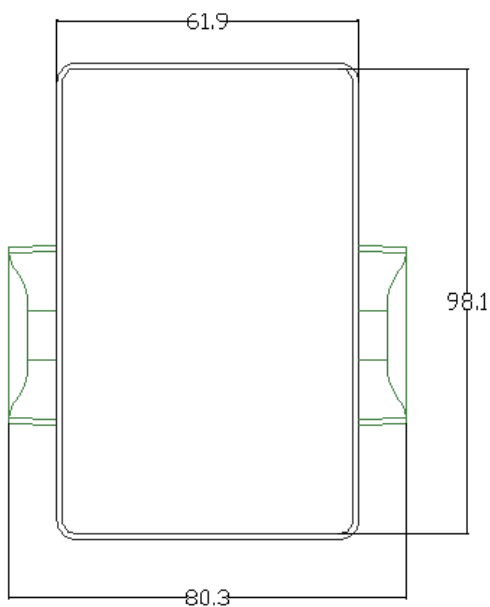https://www.paselecbikes.com/video

LCD-M6C Hand Control Panel Operation Instruction
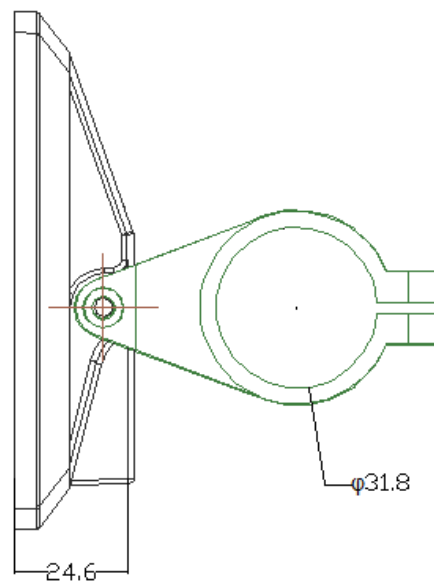
2020Latest Edition-V1.0

一、 **Out shell Size and Material**
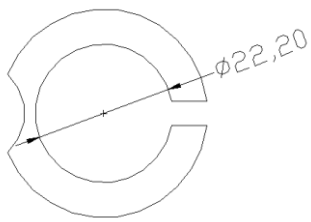**Out shell material is ABS, Liquid crystal transparent window material is high hardness acrylic。**

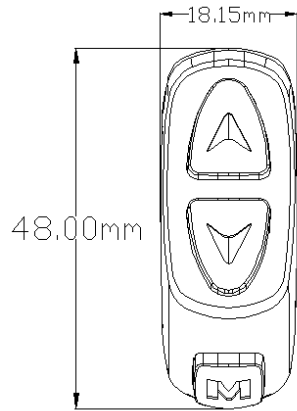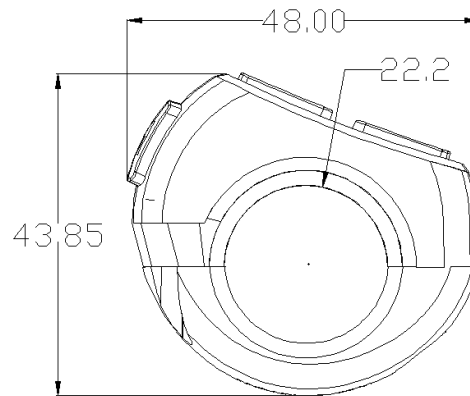**Front view**   **Side view**

31.8mm　stent is available 22.2mm、25.4mm、28.6mm

Transfer Ring Selection

Switching view

Switch Side View

二、　**Work Voltage and connection mode**

1、**Work voltage：DC24V 、36V、48V、60V 、(which you can choose on the meter),the others you can customized.**

2、**Connection mode ：**

Line sequence of the label connector

Instrument Outlet

Table: Line sequence of the label connector table

Order of line	Color of line	Function
1	Red（VCC）	Instrument power cord
2	Blue（K）	Controller power line
3	Black（GND）	Meter earth wire
4	Green（RX）	Meter data receiving line
5	Yellow（TX）	Data transmission line of instrument

Notes: Part of the products lead wire use waterproof connection. User cannot see the color of lead line.
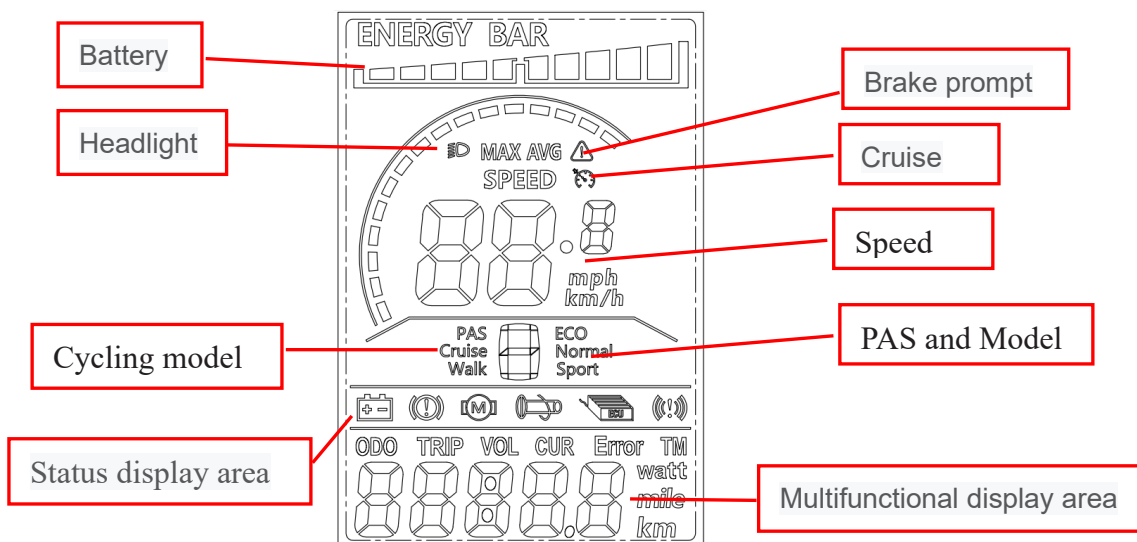
三、**Function description**

1、Display function

Speed display, power level display, power indicator, failure warning, total mileage, single mileage, headlight display, single driving time display

2．Control, setting up functions

Power switch control, headlight switch control, 6Km/h point control, wheel diameter setting, maximum speed setting, idle automatic hibernation time setting, backlight brightness setting, voltage level setting

3.Communication protocol：UART

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

Battery		Brake prompt
Headlight	ENERGY BAR	Cruise
	MAX AVG SPEED	Speed
Cycling model	PAS Cruise Walk / ECO Normal Sport	PAS and Model
Status display area	ODO TRIP VOL CUR Error TM watt mile km	Multifunctional display area

Show content introduction

3.1 Headlight   The instrument can be manually turned on and the brightness of the sensing environment is automatically turned on(light sensitivity support is required).

3.2 Battery power display   BATTERY   ENERGY BAR

3.3 Multifunctional display area   ODO TRIP VOL CUR Error TM

Total mileage ODO, single mileage TRIP A, single mileage TRIP B, battery current voltage VOL, current operating current CUR, remaining mileage RM; Instrument boot time TM

3.4 Cycling model   PAS Cruise Walk / ECO Normal Sport

Walk boost mode; Cruise: constant speed cruise mode; PAS: Power file position: 0 ～ 9 adjustable；
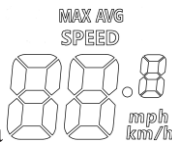
3.5 Speed display area

Maximum speed MAX, average speed AVG

Unit MPH, KM/H

The meter will calculate the true speed based on the wheel diameter and signal data

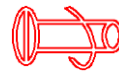## 3.6 Vehicle Status Display Area

⊠

Meaning of fault icon： Under-voltage fault

Motor fault   Turn the fault

Controller the fault   Communication failures

Status prompt icon： Cruise ON

Vehicle Status Code Meaning：

Status Code(Decimal)	State Meaning	Remarks
E00	Normal	
E02	Brakes	
E06	Battery undervoltage	
E07	Motor failure	
E08	Turn malfunctioning	
E09	Controller failure	
E10	Communication reception failure	
E11	Communication dispatch failure	

3.7. install

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

P02: mileage unit： 0: KM; 1: MILE;

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

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

P05: PAS number selection: 0, 3 file mode:

1,5 gear mode:

P06: Wheel setting: unit, inch;

wheel diameter value: 5.0 ~ 50 Precision: 0.1 inch

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, the number of magnetic steel is input directly;

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 × deceleration ratio;

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

P08: Speed limit setting: Agreement No. 2 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; The drive speed is maintained at the set value,

Error: ± 1km/h; (The speed limit for power and turning is equal)

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 data set at this menu under the mile interface is not converted. Is inconsistent with the actual speed limit of the mile speed;

P09: zero start, non-zero start setting:　0: zero start; 1: Non-zero start;(valid for protocol 2 only)

P10: The drive mode is setting:　0: Power Drive(how much power is output is determined by the power file bit, and the switch is invalid at this time).(valid for protocol 2 only)

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

2: Power Driven and Electric Driven Coexistence

P11: Help sensitivity setting:　range: 1-24;(valid for protocol 2 only)

P12: Help start intensity setting:　range: 1-5;(valid for protocol 2 only)

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

P14: Controller limit value setting:　range: 1-20A

P15: Controller undervoltage

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

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

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

P19:Zero PAS selection:　0: 0 file, 1: does not include 0 file

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

四、 Key Introduction：

The specific combination of keys is as follows

Press the button to use the brief

Key operation is divided into short press and long press, and combination key length press

Short press is used for rapid/frequent operations, such as the specific key combination position as follows

1. When riding, you need to modify the power/speed file, short press

2. Toggle display data for multi-function areas during cycling, short click

Single key length is mainly used to switch the mode / switch state

Composite keys(long presses) are used to set parameters because the operation is complex, which can reduce errors

(Short press does not make the composite key, because it is easy to trigger mistakenly, so it is too difficult to do）

Specific operational explanations:

一， modify the power ratio / power file

Let's say the current is power mode.

1）Short press , Help + 1

2）Short press , Help - 1

二， Toggle speed display

Long press, + Toggle speed display

三，Set / Disable 6Km/h Cruise, Switch Headlight, ODO Clear Zero

Static state of vehicles，long press ，Will enter 6KM/h cruise mode, let go of cruise

mode;long press Turn the lights on and off；

P16Menu Interface，long press five seconds，ODO clear zero。

四，Switching liquid crystal display

If the current display is working，long press ，Will turn off the screen, instead turn

on the screen

五，Toggle multi-function display area content

Short Can switch the value of the multifunction display area

六，Set Parameters

Long press + Will enter the parameter setting interface. Parameters that

can be set include,Wheel diameter(in: inches), number of magnetic steel, liquid crystal

brightness, low pressure points, etc.(see settings: P01-P20)；

Under Settings Interface，Can be short press ，or Set the value to perform a

minimum-precision unit value operation，you can also long press ，or

Continuous Fast Modify Parameters：

1.Short press Switch to Next Parameter；Exit settings and save parameters. If not operated, the modified parameters will automatically exit and be saved after 8 seconds.

Note: due to the upgrade of the company's products, the content of the product will be different from the specifications, but it will not affect your normal use.

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