



辰星华仪科技

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E-MOBILITY PRODUCTS CATALOG

E-Mobility Electrical System Solutions

2023



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PRODUCTS CATALOG

CONTENTS

天津辰星华仪科技有限公司成立于2022年。汇聚了一群有激情、有理想、有能力的复合型人才。

基于多年显示类产品的设计、生产经验，专注于外销型E-BIKE，内销型电动自行车、摩托车，电动滑板车用仪表、传感器及各类功能模块的产品开发与制造。

同时承接各类电控系统的匹配方案，智能中控及工业串口屏等嵌入式产品的定制开发。

Mercury-Meter Technology Co., Ltd. was established in year 2022. Gathered a group of passionate, ideal and capable composite talents.

Based on years of experience in design and production of display products, we focus on development and manufacturing of displays, sensors and various functional modules for E-BIKE for export, and for electric bicycle, motorcycle and E-scooter which for domestic sales.

At the same time, we also undertake the custom development of various electronic control system matching solutions, intelligent central control and industrial serial screen and other embedded products.



2023

PRODUCTS CATALOG

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E-BIKE DISPLAY C12

3.5-inch 4:3 Super Slim LCD display with USB Type-C charging function



Size

87.3mmx79.8mmx72.7mmx31.8mm

Function

Type-C;BAT;PAS Level;
Headlight;Walk;Speed;
Trip/ODO;Mile/KM;WATT;Trip Time; etc.
Option: Cell phone connectivity;
Remote E-bike search

Communication

UART;LIN;CAN

Certificate

EN15194:2017/CE/RoHS/IP66

Product introduction

The display adopts 3.5-inch high-brightness full-view IPS horizontal display. It makes the left and right bezels of the screen narrower and more in line with the public aesthetics. The novel decorative ring design shows the high-end at the same time, and plays a good protection role around the display cover. Relying on the mature narrow bezel waterproof process, the glass texture is retained while still maintaining a high display ratio.

Adjustable bracket design, easy to adjust the installation angle, more adaptable to different bike models.

Supports USB TYPE-C port for charging mobile devices such as cell phones.



E-BIKE DISPLAY C13

3.5-inch 4:3 Narrow-bezel LCD
Display with USB Type-C
Charging Function



Size

97.6mmx73.1mmx75.9mmx31.8mm

Function

Type-C;Light sensitivity function;BAT;
PAS Level; Headlight;Walk;Speed;
Trip/ODO;Mile/KM;WATT;Trip Time; etc.
Option: Cell phone connectivity;
Remote E-bike search

Communication

UART;LIN;CAN

Certificate

EN15194:2017/CE/RoHS/IP66

Product introduction

The display adopts 3.5-inch high-brightness full-view IPS vertical display. The larger display area brings better visualization. The use of tempered glass cover gives the display a slimmer and more textured appearance. Narrow bezel waterproof process for a higher display ratio. Adjustable bracket design, easy to adjust the installation angle, better adaptability. Supports USB TYPE-C port for charging mobile devices such as cell phones. Integrated Light-sensitive function can adjust the screen brightness and controls the switch of headlights according to the ambient light.



E-BIKE DISPLAY C10

2.8" LCD display with Type-C
charging function



Size

44.6mmx70.7mmx21.5mmx31.8mm

Function

Type-C;Light sensitivity function;
BAT;PAS level;Headlight;Walk;Speed;
Trip/ODO;Mile/KM;WATT;Trip Time; etc.
Option; Cell phone connectivity;
Remote E-bike search

Communication

UART;LIN;CAN

Certificate

EN15194:2017/CE/RoHS/IP66



Product introduction

The display adopts 2.8-inch high-brightness full-view IPS screen. The combination of unique industrial design and tempered glass makes the display slimmer and more textured in appearance. Narrow bezel and waterproof process, to achieve a higher screen ratio.

One-piece hidden base design for more beautiful assembly effect. The bracket can be installed forward and backward to adapt to the needs of different bike models. Support TYPE-C port for charging mobile devices. Light sensitive function can adjust the screen brightness according to the ambient light and auto switch the E-bike lights.



E-BIKE DISPLAY C11

2.0" left-mounted LCD
display with removable
throttle



Size

72.6mmx47.0mmx13.4mmx22.2mm

Function

BAT;PAS level;Headlight;Walk;Speed;
Trip/ODO;Mile/KM;WATT;Trip Time;etc.
Option:Cell phone connectivity;Throttle;
Remote E-bike search

Communication

UART;LIN;CAN

Certificate

EN15194:2017/CE/RoHS/IP66

Product introduction

Left-mounted button integrated display with detachable throttle to suit different bike types. The hidden switch button releases a larger contact area for the main button to enhance operability. The ergonomic walk-assist button greatly enhance comfort and safety.



E-BIKE DISPLAY D10

Cost-effective Left-mounted
Color Digital Tube Display



Size

60.2mmx44.3mmx46.4mmx22.2mm

Function

BAT;PAS Level;
Headlight;Walk;Speed;
Trip;Mile/KM; etc.
Option: Cell phone connectivity;
Remote E-bike search

Communication

UART;LIN;CAN

Certificate

EN15194:2017/CE/RoHS/IP66

Product introduction

The display is exquisite and compact in appearance, with a simple and clear interface, easy and convenient to operate. The color digital tube display is realized at a lower cost, bringing a better visual experience for users.



E-BIKE DISPLAY E10

Cost-effective LED display
with extended interactive
functions via Bluetooth



Size

53.2mmx42.2mmx13.0mmx22.2mm

Function

BAT;PAS level;Headlight;Walk; etc.
Option: Cell phone connectivity;
Light sensitivity function;
Remote E-bike search

Communication

UART;LIN;CAN

Certificate

EN15194:2017/CE/RoHS/IP66

Product introduction

Left-mounted LED display with simple and beautiful industrial design and more ergonomic button angle. Realize human-computer interaction with high cost performance. It also has optional light-sensitive function, according to the intensity of ambient light to adjust the brightness of the indicator, automatically switch the headlight. Another worth mentioning is the Bluetooth function, it can be used to display cycling information in the phone APP to achieve richer extended functions.



E-BIKE REMOTE K5

Five separately keys work independently. Apparent to identify each key.



Size

40.3mmx41.5mmx13.5mmx22.2mm

Function

Control of PAS level;Headlight;Walk; Turn on/off Display;etc.

Type of the remote

Five keys are separately controlled the function, clear and easy to identify

Certificate

EN15194:2017/CE/RoHS/IP66

Product introduction

The Novelty designed five-button remote is suitable for various E-bike models. Meanwhile, the five tactile buttons can control various functions independently to avoid mis-touching. Customized logos are available on the remote to highlight your brand.





M1

Dual-Battery Balancer

Compatible with 24/36/48V batteries, equalize the discharge for two batteries connected at the same time. Increase the range and battery life. The module can output 30A working current stably, and with a static power consumption less than 4mA .

Size

45mm×56mm×18.5mm

Rated Current

30A

Input Voltage

16V-80V

Quiescent Current

<4mA

S1

Integrated Bottom Bracket PAS Sensor

The sensor provides stable 12/24 cadence pulse signal. Easy installation, reliable construction and strong adaptability.

Size

52.7mm×43.9mm×16(5)mm×15.3mm

