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2021

MINI E-SCOOTER PRODUCTS CATALOG





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微型车种类 / MINI E-SCOOTER TYPE



滑板车
E-Scooter



折叠车
Foldable Bike

产品命名 / PRODUCT NAME

滑板车	轮毂	250W
↓	↓	↓
S	C/H	25
	↓	↓
	中置	3系 / 5系
		隐藏

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滑板车系列 SH325 套件组合

E-SCOOTER SERIES SH325 COMBINATION KIT

E-SCOOTER DRIVE SYSTEMS

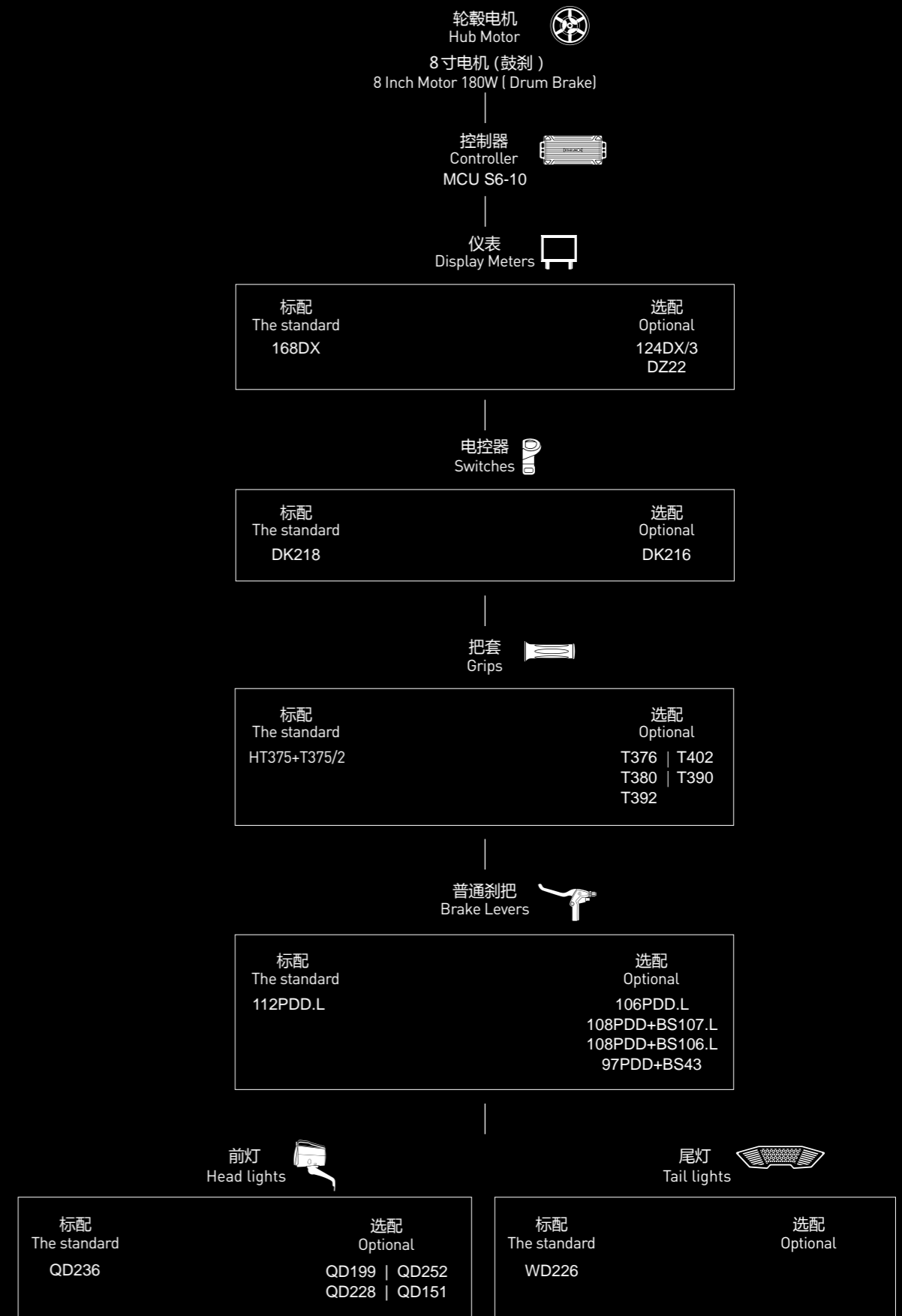
The SH325 kit is a systematic component specifically designed for scooters. From the rider's perspective, we ensure more seamless integration while maintaining the comfort and efficiency of traditional riding. Enhance the riding experience for riders, making riding smoother, more efficient and natural. So when you go to a nearby cafe or glide on a country-style trail. We all advocate a healthier urban lifestyle with cycling at the core.



SH325

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SH325



滑板车系列 SH335 套件组合

E-SCOOTER SERIES SH335 COMBINATION KIT

E-SCOOTER DRIVE SYSTEMS

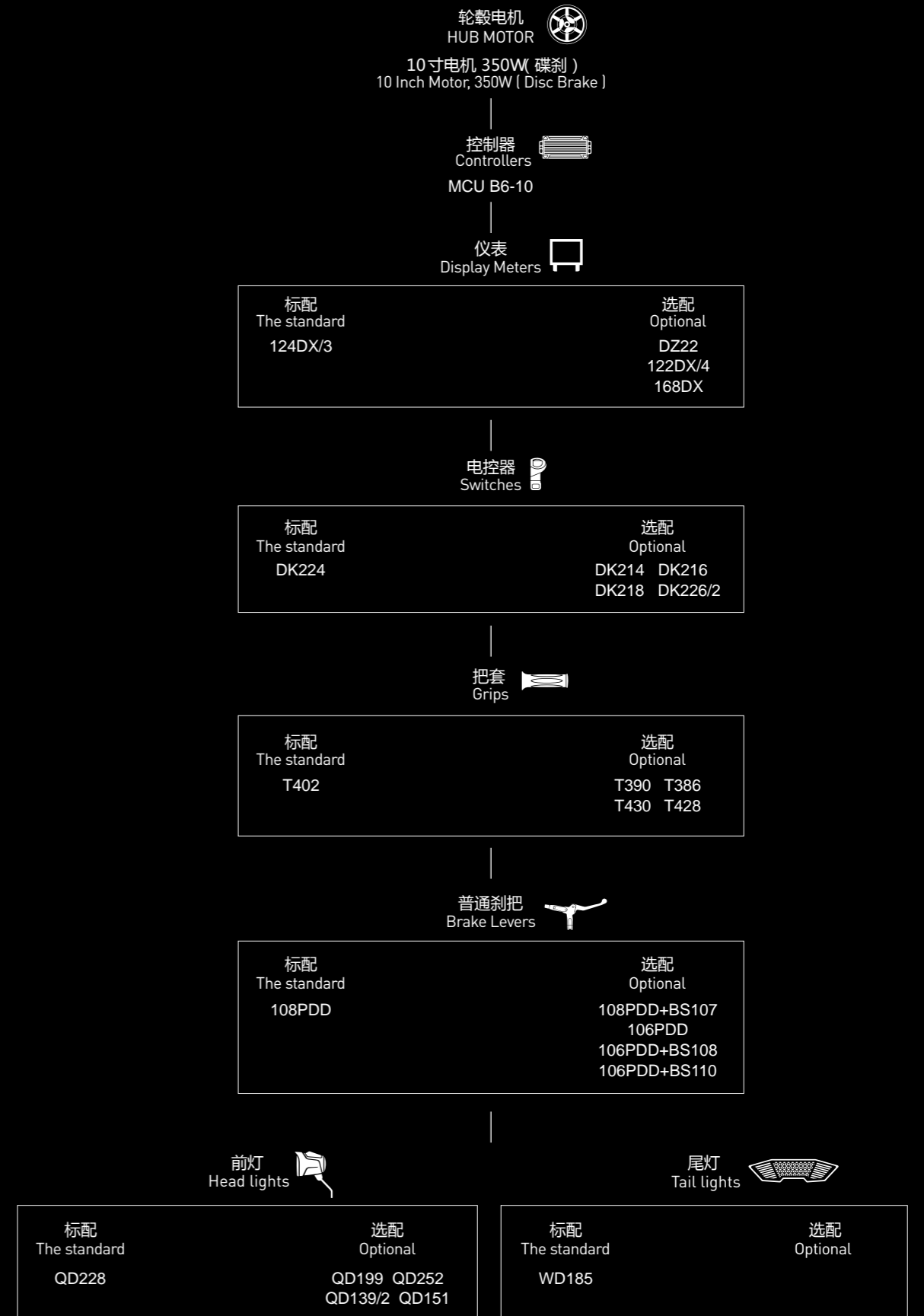
The SH335 kit is a systematic component specifically designed for scooters. From the rider's perspective, we ensure more seamless integration while maintaining the comfort and efficiency of traditional riding. Enhance the riding experience for riders, making riding smoother, more efficient and natural. So when you go to a nearby cafe or glide on a country-style trail. We all advocate a healthier urban lifestyle with cycling at the core.



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SH335



滑板车系列 SH350 套件组合

E-SCOOTER SERIES SH350 COMBINATION KIT

E-SCOOTER DRIVE SYSTEMS

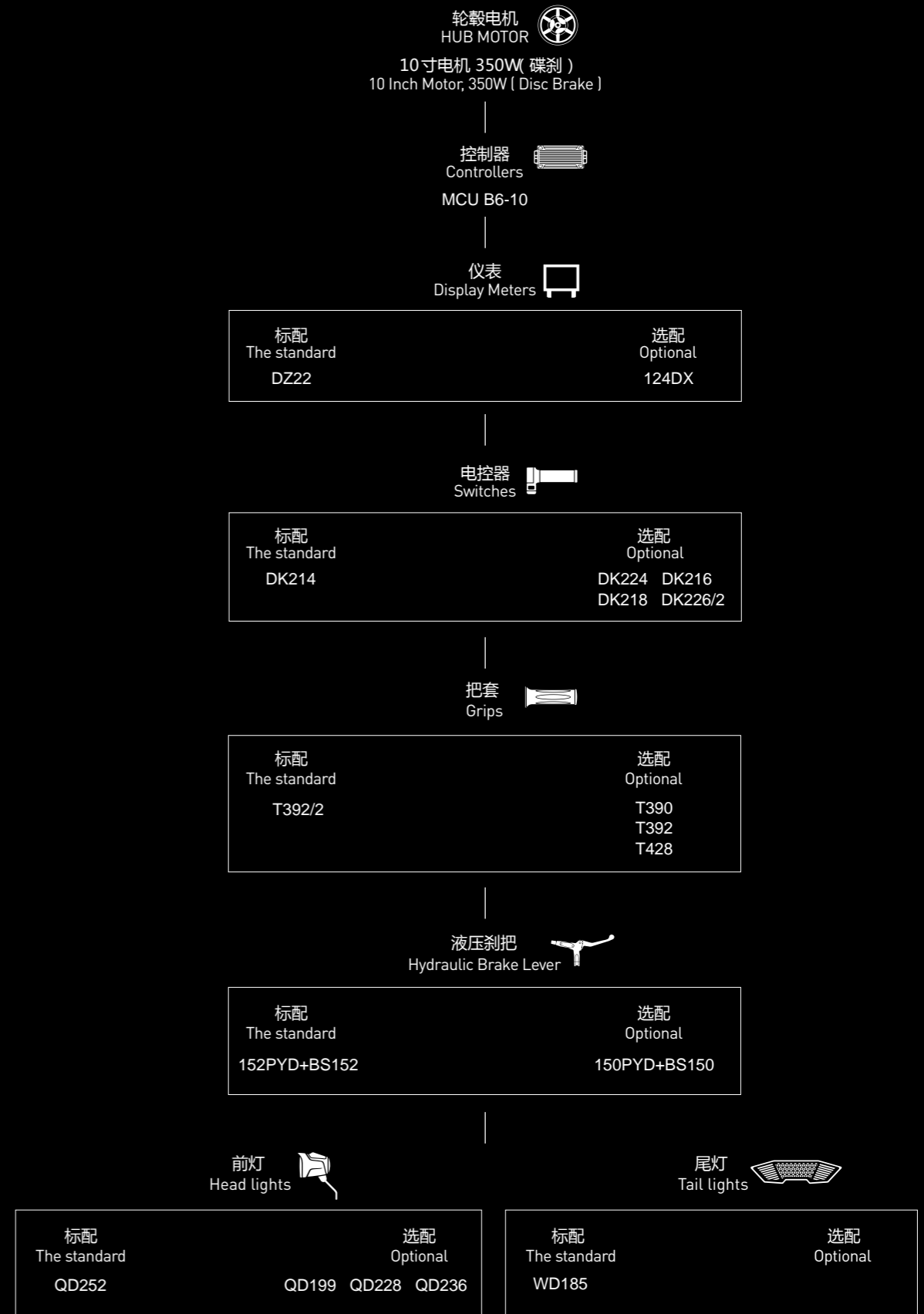
The SH350 kit is a systematic component specifically designed for scooters. From the rider's perspective, we ensure more seamless integration while maintaining the comfort and efficiency of traditional riding. Enhance the riding experience for riders, making riding smoother, more efficient and natural. So when you go to a nearby cafe or glide on a country-style trail. We all advocate a healthier urban lifestyle with cycling at the core.



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SH350



滑板车系列 SH325H 套件组合

E-SCOOTER SERIES SH325H COMBINATION KIT

E-SCOOTER DRIVE SYSTEMS

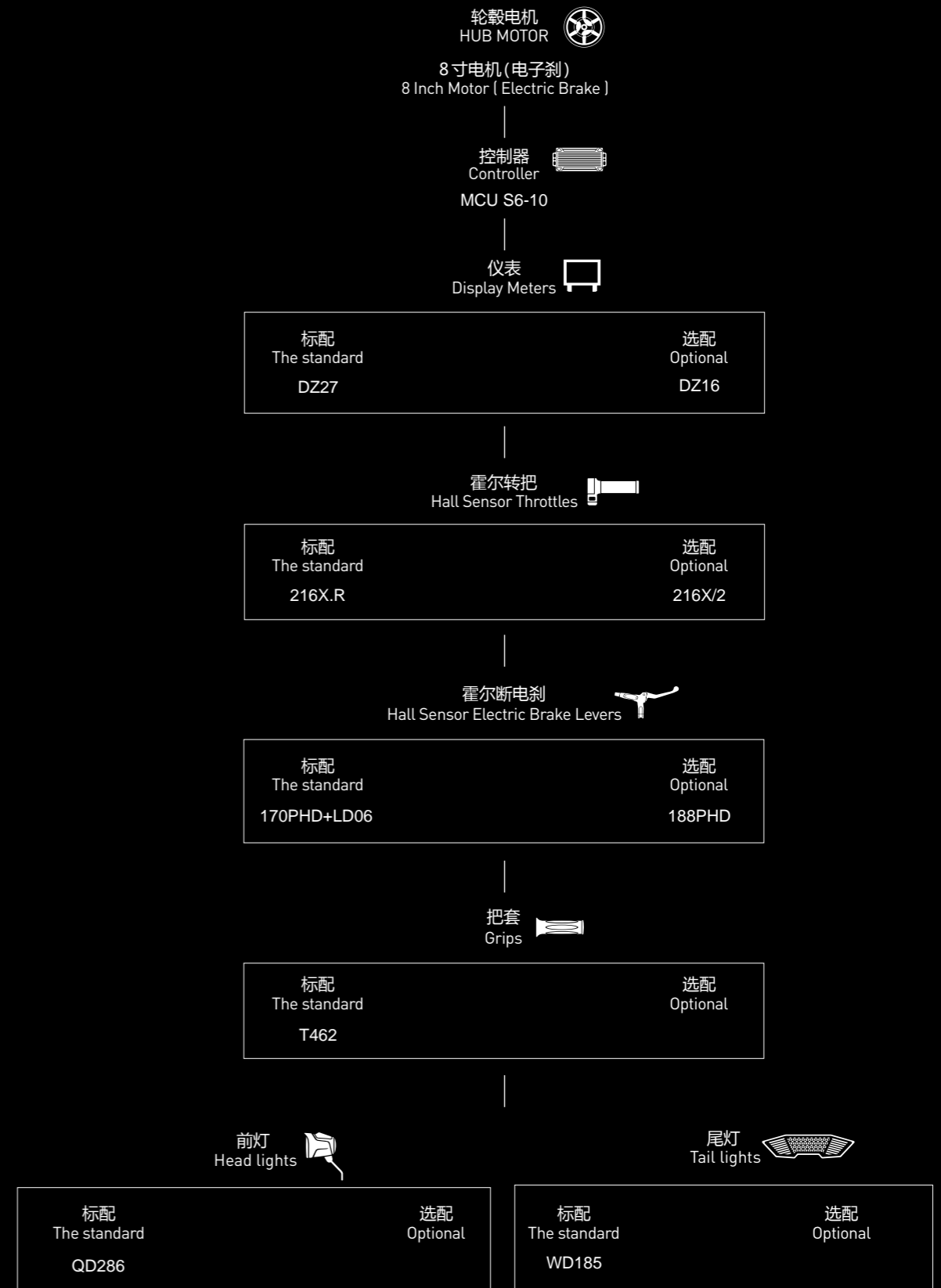
The SH325H kit is a systematic component specifically designed for scooters. From the rider's perspective, we ensure more seamless integration while maintaining the comfort and efficiency of traditional riding. Enhance the riding experience for riders, making riding smoother, more efficient and natural. So when you go to a nearby cafe or glide on a country-style trail. We all advocate a healthier urban lifestyle with cycling at the core.



SH325H /

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SH325H ▶



滑板车系列 SH335H 套件组合

E-SCOOTER SERIES SH335H COMBINATION KIT

E-SCOOTER DRIVE SYSTEMS

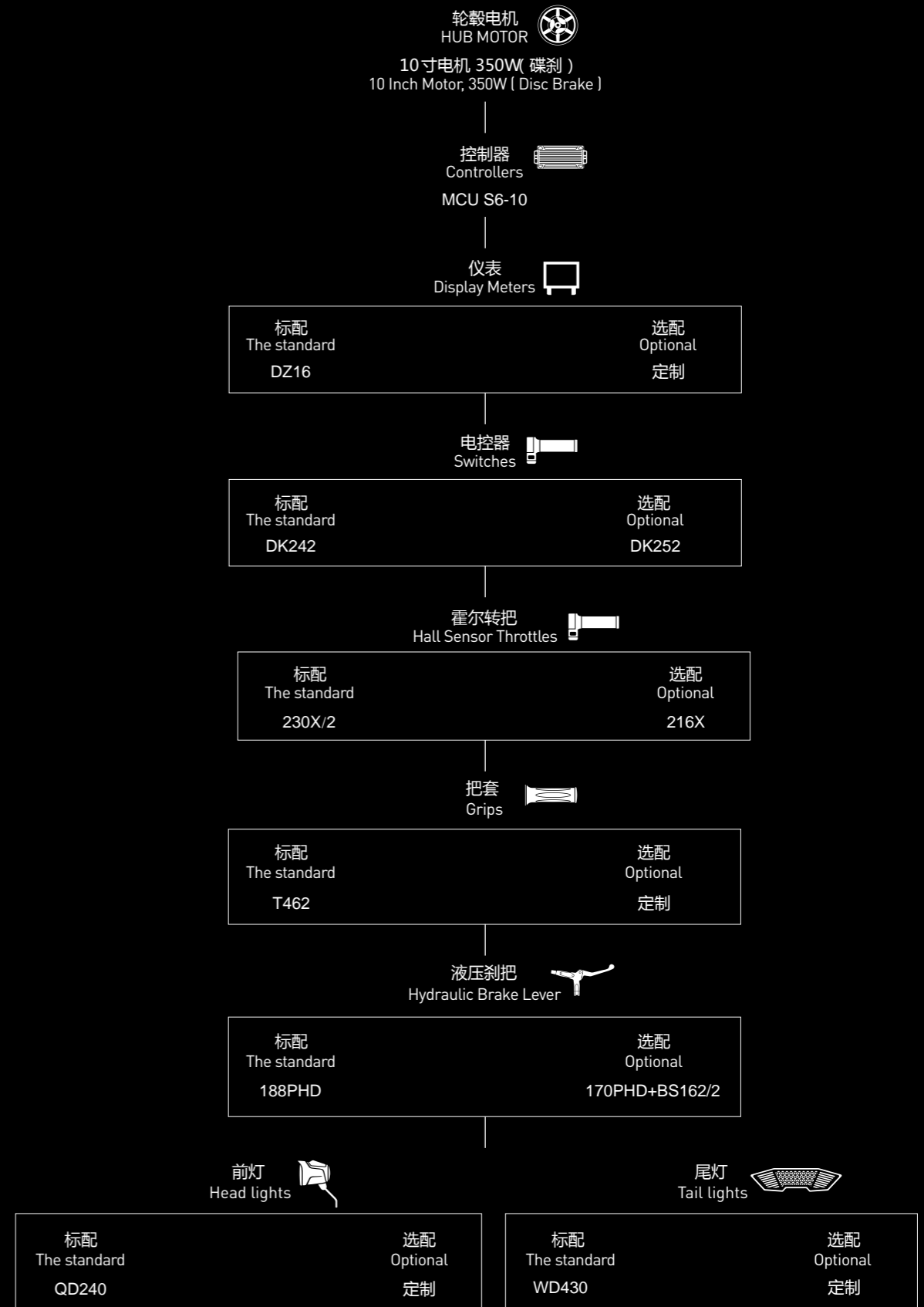
The SH335H kit is a systematic component specifically designed for scooters. From the rider's perspective, we ensure more seamless integration while maintaining the comfort and efficiency of traditional riding. Enhance the riding experience for riders, making riding smoother, more efficient and natural. So when you go to a nearby cafe or glide on a country-style trail. We all advocate a healthier urban lifestyle with cycling at the core.



SH335H /

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SH335H ▶



折叠车系列 FH325 套件组合

FOLDABLE BIKE SERIES FH325 COMBINATION KIT

FOLDABLE BIKE DRIVE SYSTEMS

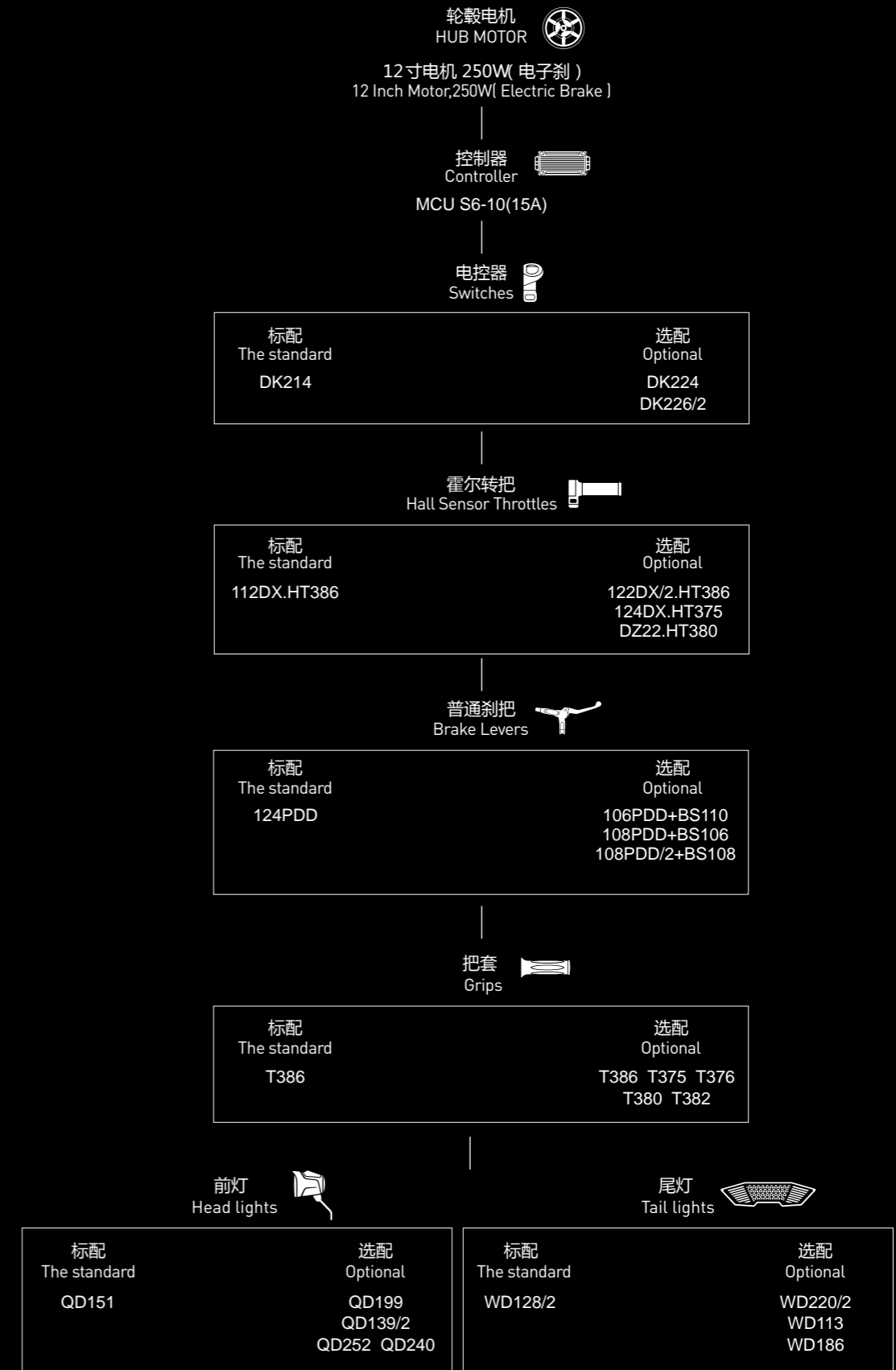
The FH325 kit is a systematic component specifically designed for foldable bike. From the rider's perspective, we ensure more seamless integration while maintaining the comfort and efficiency of traditional riding. Enhance the riding experience for riders, making riding smoother, more efficient and natural. So when you go to a nearby cafe or glide on a country-style trail. We all advocate a healthier urban lifestyle with cycling at the core.



FH325

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FH325



折叠车系列 FH335 套件组合

FOLDABLE BIKE SERIES FH335 COMBINATION KIT

FOLDABLE BIKE DRIVE SYSTEMS

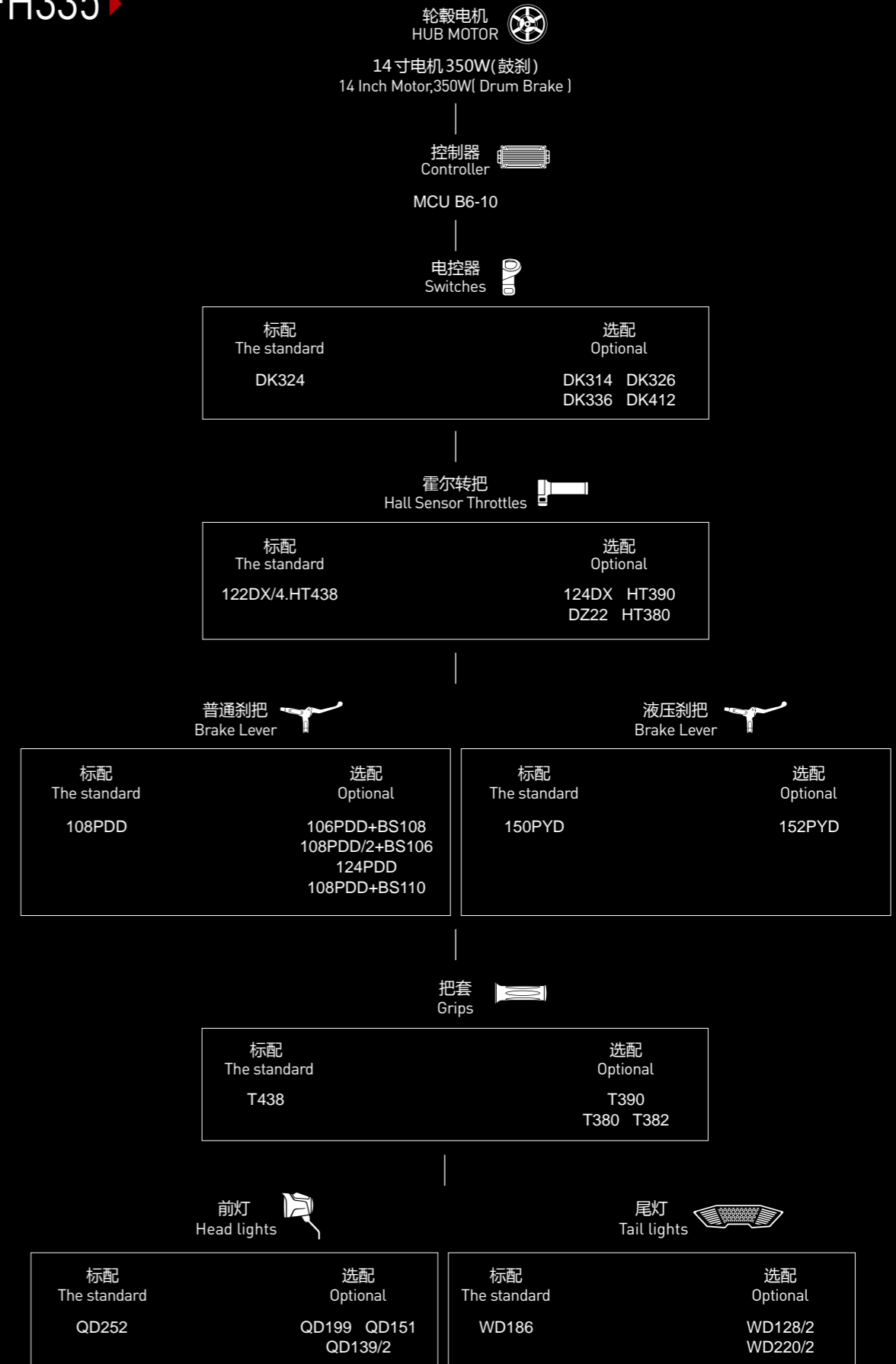
The FH335 kit is a systematic component specifically designed for foldable bike. From the rider's perspective, we ensure more seamless integration while maintaining the comfort and efficiency of traditional riding. Enhance the riding experience for riders, making riding smoother, more efficient and natural. So when you go to a nearby cafe or glide on a country-style trail. We all advocate a healthier urban lifestyle with cycling at the core.



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FH335





HUB MOTORS /

HUB MOTORS

MAIN FEATURES

All the materials used by the motor meet the RoHS standard, which is more environmentally friendly and safer; The noise is low and the riding is comfortable; The motor adopts a fully waterproof design. The end cover, axle hole, axle end and cables are waterproof. The waterproof level reaches at least IPX5; The external characteristics of the open design motor can be freely adjusted according to customer needs.

电机所使用的材料全部达到 RoHS 标准，更加环保，更加安全；噪音小，骑行舒适；并且电机采用全防水设计，针对端盖、轴孔、轴端、和线缆都做了相应的防水处理，防水等级至少达到 IPX5；开放式设计电机的外部特性，针对客户的需求可以随意调配。

HM1801 /

轮胎制动 /Tyre Brake	8 寸鼓刹 /8 Inch Drum Brake
开档尺寸 /Size	100mm
额定功率 /Rated Power	180W-250W
额定电压 /Rated Voltage	36V
空载转速 /No-load Speed	998rpm
最大限流 /Max Current Limit	10A-13A
最大扭矩 /Maximum Torque	>13N.m
最高效率 /Top Performance	>80%
重量 /Weight	2.55/3.65 KGS
防水等级 /Waterproof Level	IPX5
出线端 /Outlet Terminal	普通防水九芯头 (或选配) /Normal waterproof 9 core wiring or customized.



HM1802 /

轮胎制动 /Tyre Brake	8 寸电子刹 /8 Inch Electric Brake
开档尺寸 /Size	115mm
额定功率 /Rated Power	180W-250W
额定电压 /Rated Voltage	36V
空载转速 /No-load Speed	998rpm
最大限流 /Max Current Limit	10A-13A
最大扭矩 /Maximum Torque	>13N.m
最高效率 /Top Performance	>80%
重量 /Weight	2.50/3.65 KGS
防水等级 /Waterproof Level	IPX5
出线端 /Outlet Terminal	普通防水九芯头 (或选配) /Normal waterproof 9 core wiring or customized.



HUB MOTORS

HM3504 /

轮胎制动 /Tyre Brake	10 寸碟刹 /10 Inch Disc Brake
开档尺寸 /Size	135mm
额定功率 /Rated Power	180W-350W
额定电压 /Rated Voltage	36V/48V
空载转速 /No-load Speed	636rpm
最大限流 /Max Current Limit	10A-13A
最大扭矩 /Maximum Torque	≥25N.m
最高效率 /Top Performance	≥80%
重量 /Weight	3.65 KGS
防水等级 /Waterproof Level	IPX5
出线端 /Outlet Terminal	普通防水九芯头 (或选配) /Normal waterproof 9 core wiring or customized.



HM3502 /

轮胎制动 /Tyre Brake	12 寸碟刹 /12 Inch Disc Brake
开档尺寸 /Size	135mm
额定功率 /Rated Power	180W-350W
额定电压 /Rated Voltage	36V/48V
空载转速 /No-load Speed	636rpm
最大限流 /Max Current Limit	10A-13A
最大扭矩 /Maximum Torque	≥25N.m
最高效率 /Top Performance	≥80%
重量 /Weight	3.65 KGS
防水等级 /Waterproof Level	IPX5
出线端 /Outlet Terminal	普通防水九芯头 (或选配) /Normal waterproof 9 core wiring or customized.



HM3505 /

轮胎制动 /Tyre Brake	12 寸电子刹 /12 Inch Electric Brake
开档尺寸 /Size	135mm
额定功率 /Rated Power	180W-350W
额定电压 /Rated Voltage	36V
空载转速 /No-load Speed	636rpm
最大限流 /Max Current Limit	10A-13A
最大扭矩 /Maximum Torque	≥25N.m
最高效率 /Top Performance	≥80%
重量 /Weight	3.6 KGS
防水等级 /Waterproof Level	IPX5
出线端 /Outlet Terminal	普通防水九芯头 (或选配) /Normal waterproof 9 core wiring or customized.



HUB MOTORS

HM3506 /

轮胎制动 /Tyre Brake	14 寸鼓刹 /14 Inch Drum Brake
开档尺寸 /Size	135mm
额定功率 /Rated Power	180W-350W
额定电压 /Rated Voltage	36V
空载转速 /No-load Speed	538rpm
最大限流 /Max Current Limit	10A-13A
最大扭矩 /Maximum Torque	≥25N.m
最高效率 /Top Performance	≥80%
重量 /Weight	3.95 KGS
防水等级 /Waterproof Level	IPX5
出线端 /Outlet Terminal	普通防水九芯头 (或选配) /Normal waterproof 9 core wiring or customized.



HM4001 /

轮胎制动 /Tyre Brake	14 寸碟刹 /14 Inch Disc Brake
开档尺寸 /Size	135mm±1mm
额定功率 /Rated Power	250W-450W
额定电压 /Rated Voltage	36V/48V
空载转速 /No-load Speed	538 rpm±4%
最大限流 /Max Current Limit	10A-13A
最大扭矩 /Maximum Torque	≥36N.m
最高效率 /Top Performance	≥80%
重量 /Weight	3.9 KGS
防水等级 /Waterproof Level	IPX5
出线端 /Outlet Terminal	普通防水九芯头 (或选配) /Normal waterproof 9 core wiring or customized.





CONTROLLERS /

CONTROLLERS

MAIN FEATURES

Multi-function DC brushless motor controller with UART communication function, ultra-quiet function, power-off brake, anti-flying function, self-check function, three-stage speed regulation, anti-theft function. The controller shell is made of alloy aluminum, which has high impact strength. The surface is finely ground and sprayed with fine sand, and the appearance is exquisite and detailed. The controller has reliable process and stable performance. The inside of the product is glued and waterproofed, which effectively guarantees the waterproof performance of the product IPX5.

UART 通讯功能、超静音功能、断电刹车、防飞车功能、自检功能、三档分级调速、防盗功能等多功能为一体的直流无刷电机控制器。控制器外壳采用合金铝材质，抗冲击强度高。表面精研磨喷细砂工艺，外观精美细致。该控制器工艺可靠、性能稳定。产品内部采用灌胶防水方式，有效保证产品 IPX5 的防水性能。

MCU-S6 /

标准 /Approval	RoHS
尺寸 /Size	L 104.5mm W 46mm H 30.5mm
重量 /Weight	225g
防水 /Waterproof	IPX6
材料 /Material	ADC12
芯线 /Wiring	Waterproof cable / Normal high temperature resistant cable
电压 /Voltage	DC 24V/36V/48V
最大限流 /Max Current Limit	12A±0.5A
控制方式 /Control Method	FOC



MCU-B6 /

标准 /Approval	RoHS
尺寸 /Size	L 119mm W 64mm H 33mm
重量 /Weight	315g
防水 /Waterproof	IPX6
材料 /Material	ADC12
芯线 /Wiring	Waterproof cable / Normal high temperature resistant cable
电压 /Voltage	DC 24V/36V/48V
最大限流 /Max Current Limit	15A±0.5A
控制方式 /Control Method	FOC



MCU-9 /

标准 /Approval	RoHS
尺寸 /Size	L 143mm W 79mm H 43mm
重量 /Weight	405g
防水 /Waterproof	IPX6
材料 /Material	ADC12
芯线 /Wiring	Waterproof cable / Normal high temperature resistant cable
电压 /Voltage	DC 36V/48V
最大限流 /Max Current Limit	22A±0.5A
控制方式 /Control Method	FOC



MCU-C6 /

标准 /Approval	RoHS
尺寸 /Size	L 130mm W 72mm H 38mm
重量 /Weight	265g
防水 /Waterproof	IPX5
材料 /Material	ADC12
芯线 /Wiring	Waterproof cable / Normal high temperature resistant cable
电压 /Voltage	DC 36V/48V
最大限流 /Max Current Limit	20A±0.5A
控制方式 /Control Method	FOC





**DISPLAY
METERS /**

DISPLAY METERS

MAIN FEATURES

This LCD meter combines the functions of a stopwatch and a power assist thumb throttle to simplify the assembly process and reduce the cost of wiring harness integration. The compact and minimalist design style meets the needs of scooters, mopeds, and various models of electric vehicles. Switch kilometers or miles display units according to different market area settings to meet different markets.

本液晶仪表，结合了码表功能与助力指拨转把功能一体设计，简化装配工序、线束整合出线降低成本；外形小巧极简设计风格，满足滑板车、助力车、电动车多种车型使用需求；可根据不同市场地域设置切换公里或英里显示单位，以满足不同市场。

124DX+HT390 /

标准 /Approval	RoHS
尺寸 /Size	L 178.2mm W 59.8mm H 47.45mm
重量 /Weight	112g
材料 /Material	ABS+TPR/PVC
电源 /Power	DC 24V/36V/48V/60V
电流 /Current	18mA ~ 25mA /36V
屏幕类型 /Screen Type	1.25"LCD(FSTN)
协议 /Protocol	UART
防水 /Waterproof	IP65
功能 /Function	ODO/TRIP/Speed/Battery Indicator/Light status/Error Alarm/ Gear selection etc.



124DX+HT375 /

标准 /Approval	RoHS
尺寸 /Size	L 161.7mm W 59.8mm H 47.45mm
重量 /Weight	102g
材料 /Material	ABS+TPR/PVC
电源 /Power	DC 24V/36V/48V/60V
电流 /Current	18mA ~ 25mA /36V
屏幕类型 /Screen Type	1.25"LCD(FSTN)
协议 /Protocol	UART
防水 /Waterproof	IP65
功能 /Function	ODO/TRIP/Speed/Battery Indicator/Light status/Error Alarm/ Gear selection etc.



124DX/3 /

标准 /Approval	RoHS
尺寸 /Size	L 72mm W 60mm H 68mm
重量 /Weight	67g
材料 /Material	ABS+TPR/PVC
电源 /Power	DC 24V/36V/48V/60V
电流 /Current	18mA ~ 25mA /36V
屏幕类型 /Screen Type	1.25"LCD(FSTN)
协议 /Protocol	UART
防水 /Waterproof	IP65
功能 /Function	ODO/TRIP/Speed/Battery Indicator/Light status/Error Alarm/ Gear selection etc.



DISPLAY METERS

168DX /

本仪表结合码表功能与助力指拨转把功能一体设计，简化装配工序；外形小巧极简设计风格。指拨助力，满足滑板车、助力车、车型使用需求；仪表可按市场需求做带通讯与不带通讯两种功能区别。

The meter combines the functions of a stopwatch and a power-assisted thumb throttle to simplify the assembly process; The appearance is small and minimalist. Power-assisted thumb throttle, to meet the needs of scooters, mopeds, and vehicle models; The meter can be distinguished between two functions with and without communication according to market demands.

标准 /Approval	RoHS
尺寸 /Size	L 72mm W 60mm H 68mm
重量 /Weight	67g
材料 /Material	ABS
电源 /Power	DC 24V/36V/48V/60V
电流 /Current	18mA ~ 25mA /36V
屏幕类型 /Screen Type	1.35"LCD(HSTN)
协议 /Protocol	UART
防水 /Waterproof	IP54
功能 /Function	ODO/TRIP/Speed/Battery Indicator/Light status/Error Alarm/PAS Level etc



DZ09 /

本仪表结合码表功能与助力指拨转把功能一体设计，简化装配工序；外形小巧极简设计风格。指拨助力，满足滑板车、助力车、车型使用需求；仪表可按市场需求做带通讯与不带通讯两种功能区别。

The meter combines the functions of a stopwatch and a power-assisted thumb throttle to simplify the assembly process; The appearance is small and minimalist. Power-assisted thumb throttle, to meet the needs of scooters, mopeds, and vehicle models; The meter can be distinguished between two functions with and without communication according to market demands.

标准 /Approval	RoHS
尺寸 /Size	L 72mm W 60mm H 68mm
重量 /Weight	67g
材料 /Material	ABS
电源 /Power	DC 24V/36V/48V/60V
电流 /Current	18mA ~ 25mA /36V
屏幕类型 /Screen Type	1.35"LCD(HSTN)
协议 /Protocol	UART
防水 /Waterproof	IP54
功能 /Function	ODO/TRIP/Speed/Battery Indicator/Light status/Error Alarm/PAS Level etc



DISPLAY METERS

DZ16 /

LED 显示效果清晰、显示内容简洁；仪表为滑板车中置嵌入式安装结构；仪表设计小巧结构占用空间小，视窗采用超声波焊接工艺，防水防尘等级达 IP65；可根据不同市场地域设置切换公里或英里显示单位，以满足不同市场。

The LED display effect is clear and the display content is concise; The meter is a built-in embedded installation structure of the scooter; The compact design of the meter occupies a small space, the window adopts ultrasonic welding technology, and the waterproof and dustproof level reaches IP65; It can switch kilometers or Miles display units to suit different markets.

标准 /Approval	RoHS
尺寸 /Size	L 59mm W 65.5mm H 40.5mm
重量 /Weight	67g
材料 /Material	ABS/PC
电源 /Power	DC 24V/36V/48V/60V
电流 /Current	18mA ~ 25mA /36V
屏幕类型 /Screen Type	1.5"LED
协议 /Protocol	UART
防水 /Waterproof	IP65
功能 /Function	Speed / Battery Indicator / Error Alarm



DZ27 /

LED 显示效果清晰、显示内容简洁；仪表为滑板车中置嵌入式安装结构；仪表设计小巧结构占用空间小，仪表外壳可按客户车型设计定制。

The LED display effect is clear and the display content is concise; The instrument is a built-in embedded installation structure of the scooter; The compact design of the instrument occupies little space, and the instrument shell can be customized according to the customer's model design.

标准 /Approval	RoHS
尺寸 /Size	L 50mm W 59mm H 40.5mm
重量 /Weight	67g
材料 /Material	ABS/PC
电源 /Power	DC 24V/36V/48V/60V
电流 /Current	18mA ~ 25mA /36V
屏幕类型 /Screen Type	LED
协议 /Protocol	UART
防水 /Waterproof	IPX5
功能 /Function	ODO/TRIP/Speed/Battery Indicator/Light status/Error Alarm/ Gear selection etc.



DISPLAY METERS

DZ22 /

外形小巧极简设计风格，指拨、半把、全把三种搭配；满足滑板车、助力车、电动车多种车型使用需求；仪表带 USB 接口，实现在骑行中给其它电子产品电力续航。

Compact and minimalist design style, with three combinations of thumb throttle, half twist throttle and full twist throttle to meet the needs of various models of scooters, mopeds and various models of electric vehicles; The instrument has a USB port to support the power of other electronic products during cycling.

标准 /Approval	RoHS
尺寸 /Size	L 83.5mm W 68.5mm H 74mm
重量 /Weight	104g
材料 /Material	ABS/PC
电源 /Power	DC 24V/36V/48V/60V
电流 /Current	18mA ~ 25mA /36V
屏幕类型 /Screen Type	1.25"LCD(FSTN)
协议 /Protocol	UART
防水 /Waterproof	IP65
功能 /Function	ODO/TRIP/Speed/Battery Indicator/Light status/Error Alarm/ Gear selection etc.



DZ11 /

仪表小巧圆润设计风格；4 按键功能操作；仪表显示界面 LED/LCD 两种方式可选，仪表显示界面简洁，显示效果清晰，满足滑板车、助力车等车型使用需求。

The display has a small and round design style; 4-button function operation; The display interface have LED / LCD for options. The display interface is simple and the display effect is clear. It meets the needs of scooters and mopeds etc.

标准 /Approval	RoHS
尺寸 /Size	L 63.5mm W 46.5mm H 43mm
重量 /Weight	65g
材料 /Material	ABS
电源 /Power	DC 24V/36V/48V/60V
电流 /Current	18mA ~ 25mA /36V
屏幕类型 /Screen Type	1.25"LCD(FSTN)/1.25"LED(FSTN)
协议 /Protocol	UART
防水 /Waterproof	IPX5
功能 /Function	ODO/TRIP/Speed/Battery Indicator/Light status/Error Alarm/ Gear selection etc.



DISPLAY METERS

DZ29 /

仪表外形小巧，结构精致；采用 1.5 寸 LED 显示屏，显示效果清晰全角度可视；仪表引线采用防水接插件形式，方便安装及维修拆卸。
The appearance of the instrument is small and exquisite. The 1.5-inch LED display is adopted for clear and full-angle display; The meter leads are in the form of waterproof connectors, which is convenient for installation and maintenance.

标准 /Approval	RoHS
尺寸 /Size	L 57mm W 42.8mm H 41.3mm
重量 /Weight	69g
材料 /Material	ABS/PC
电源 /Power	DC 24V/36V/48V
电流 /Current	18mA ~ 25mA /36V
屏幕类型 /ScreenType	1.5"LED
协议 /Protocol	UART
防水 /Waterproof	IP65
功能 /Function	ODO/TRIP/ Speed/Battery Indicator/Light status/Error Alarm/Walk/Gear selection etc.



DZ30 /

微型仪表，小型化设计，显示区 LCD 液晶屏窄边框设计左右边框仅为 2.9mm。仪表显示区与按键区角度为 145°，将骑行中最佳的显示角度给用户。

Micrometer, miniaturized design, narrow border design of LCD screen in display area, left and right borders are only 2.9mm. The angle between the instrument display area and the key area is 145°, giving the user the best display angle during riding.

标准 /Approval	RoHS
尺寸 /Size	L65mm W 28.5mm H 44mm
重量 /Weight	52g
材料 /Material	ABS/PC/TPR
电源 /Power	DC 24V/36V/48V
电流 /Current	18mA ~ 25mA /36V
屏幕类型 /ScreenType	1.25"LCD(FSTN) Negative display
协议 /Protocol	UART
防水 /Waterproof	IP65
功能 /Function	ODO/TRIP/ Speed/Battery Indicator/Light status/Error Alarm/Walk/Gear selection etc.



DISPLAY METERS

160PDD /

产品将仪表、刹把、电控按键结构整合三位一体设计，减化组装工序，使车把更显简洁风格。

仪表与刹把设计角度呈 45° 夹角设计，将最佳显示面向骑行者。
The product integrates the trinity design of the instrument, brake, and switch structure to reduce the assembly process and make the handlebar more concise.

The design angle of the instrument and the brake lever is 45°, and the best display angle is facing the rider.

标准 /Approval	RoHS
尺寸 /Size	L 165mm W 115mm H 57mm
重量 /Weight	145g
材料 /Material	PC+ABS+A356 Aluminum
电源 /Power	DC 24V/36V/48V
电流 /Current	18mA ~ 25mA /36V
屏幕类型 /Screen Type	1.5" LCD-FSTN
协议 /Protocol	UART
防水 /Waterproof	IP65
功能 /Function	ODO/TRIP/ Speed/Battery Indicator/Light status/Error Alarm/Walk/Gear selection etc.



HALL SENSOR THROTTLES /

HALL SENSOR THROTTLES

122DX+HT418 /

电锁开关、安全操控；高强度塑胶外壳；夹紧式铝合金锁紧环，锁紧更稳固；采用电镀工艺区域装饰，显高档、更美观；4档电量显示，电量一目了然，欠压提醒；材料环保，RoHS认证。

Electric lock switch, safety control; High-strength plastic shell, lightweight and durable; Clamping aluminum alloy locking ring for more stable locking; Using electroplating technology to decorate the area, showing high-grade and more beautiful; 4 levels of power display, power at a glance, under voltage reminder; Environmental protection of materials, RoHS certification.

标准 /Approval	RoHS
尺寸 /Size	L150mm W66mm H85mm
重量 /Weight	130g
防水 /Waterproof	IPX4
材料 /Material	PC/ABS、PVC
芯线 /Wiring	6 Pins
电压 /Voltage	24V/36V/48V/60V
工作温度 /Operating Temperature	-20°C~ 60°C
电线拉脱力 /Wire Tension	≥130N
旋转角度 /Rotation Angle	0° ~ 70°
旋转强度 /Spin Intensity	≥9N.m
耐用年限 /Durability	100,000 mating cycle



122DX/4+HT450 /

电锁开关、安全操控；高强度塑胶外壳；夹紧式铝合金锁紧环，锁紧更稳固；采用电镀工艺区域装饰，显高档、更美观；模拟液晶显示效果，显高档；材料环保，RoHS认证。

Electric lock switch, safety control; High-strength plastic shell, lightweight and durable; Clamping aluminum alloy locking ring for more stable locking; Using electroplating technology to decorate the area, showing high-grade and more beautiful; Simulation of LCD display effect, looks upscale; Environmental protection of materials, RoHS certification.

标准 /Approval	RoHS
尺寸 /Size	L149mm W66mm H85mm
重量 /Weight	209g
防水 /Waterproof	IPX4
材料 /Material	PC/ABS、TPR
芯线 /Wiring	9 Pins
电压 /Voltage	24V/36V/48V/60V
工作温度 /Operating Temperature	-20°C~ 60°C
电线拉脱力 /Wire Tension	≥130N
旋转角度 /Rotation Angle	0° ~ 70°
旋转强度 /Spin Intensity	≥9N.m
耐用年限 /Durability	100,000 mating cycle



HALL SENSOR THROTTLES

72DX+HT390 /

工艺可靠、性能稳定；高强度塑胶外壳；夹紧式铝合金锁紧环，锁紧更稳固；采用电镀工艺区域装饰，显高档、更美观；五档电量显示，电量一目了然；材料环保，RoHS 认证。

Reliable process and stable performance; High-strength plastic housing; Clamping aluminum alloy locking ring for more stable locking; Using electroplating process area decoration, showing high-grade and more beautiful; Five-level power display, power at a glance; Environmentally friendly materials, RoHS certification

标准 /Approval	RoHS
尺寸 /Size	L178mm W87mm H77mm
重量 /Weight	260g
防水 /Waterproof	IPX4
材料 /Material	PC/ABS、TPR
芯线 /Wiring	7 Pins
电压 /Voltage	36V/48V/60V
工作温度 /Operating Temperature	-20°C~ 60°C
电线拉脱力 /Wire Tension	≥130N
旋转角度 /Rotation Angle	0° ~ 70°
旋转强度 /Spin Intensity	≥9N.m
耐用年限 /Durability	100,000 mating cycle



82X+HT386 /

工艺可靠、性能稳定；高强度塑胶外壳；夹紧式铝合金锁紧环，锁紧更稳固；采用电镀工艺区域装饰，显高档、更美观；符合人体工程操作，手感轻盈、舒适；达到 IPX4 级防水能力；材料环保，RoHS 认证。

Reliable process and stable performance; High-strength plastic housing; Clamping aluminum alloy locking ring for more stable locking; Using electroplating process area decoration, showing high-grade and more beautiful; Ergonomic operation, light and comfortable; Environmentally friendly materials, RoHS certification.

标准 /Approval	RoHS
尺寸 /Size	L176mm W65mm H55mm
重量 /Weight	218g
防水 /Waterproof	IPX4
材料 /Material	PC/ABS、PVC
芯线 /Wiring	7 Pins
电压 /Voltage	Working voltage 5v Output voltage 0.8-4.2V
工作温度 /Operating Temperature	-20°C~ 60°C
电线拉脱力 /Wire Tension	≥130N
旋转角度 /Rotation Angle	0° ~ 70°
旋转强度 /Spin Intensity	≥9N.m
耐用年限 /Durability	100,000 mating cycle



HALL SENSOR THROTTLES

112DX+HT386 /

工艺可靠、性能稳定；高强度塑胶外壳；夹紧式铝合金锁紧环，锁紧更稳固；采用电镀工艺区域装饰，显高档、更美观；四档电量显示，一目了然；达到 IPX4 级防水能力；材料环保，RoHS 认证。

Reliable process and stable performance; High-strength plastic shell, lightweight and durable; Clamping aluminum alloy locking ring for more stable locking; Using electroplating technology to decorate the area, showing high-grade and more beautiful; Four levels display at a glance; Achieve IPX4 waterproof performance; Environmental protection of materials, RoHS certification.

标准 /Approval	RoHS
尺寸 /Size	L150mm W31mm H67mm
重量 /Weight	145g
防水 /Waterproof	IPX4
材料 /Material	PC/ABS、PVC
芯线 /Wiring	6 Pins
电压 /Voltage	36V/48V/60V
工作温度 /Operating Temperature	-20°C~ 60°C
电线拉脱力 /Wire Tension	≥130N
旋转角度 /Rotation Angle	0° ~ 70°
旋转强度 /Spin Intensity	≥9N.m
耐用年限 /Durability	100,000 mating cycle



112X/2+HT386 /

工艺可靠、性能稳定；高强度塑胶外壳；夹紧式铝合金锁紧环，锁紧更稳固；采用电镀工艺区域装饰，显高档、更美观；达到 IPX4 级防水能力；材料环保，RoHS 认证。

Reliable process and stable performance; High-strength plastic shell, lightweight and durable; Clamping aluminum alloy locking ring for more stable locking; Using electroplating technology to decorate the area, showing high-grade and more beautiful; Achieve IPX4 waterproof performance; Environmental protection of materials, RoHS certification.

标准 /Approval	RoHS
尺寸 /Size	L150mm W31mm H67mm
重量 /Weight	130g
防水 /Waterproof	IPX4
材料 /Material	PC/ABS、PVC
芯线 /Wiring	5 Pins
电压 /Voltage	Working voltage 5v Output voltage 0.8-4.2V
工作温度 /Operating Temperature	-20°C~ 60°C
电线拉脱力 /Wire Tension	≥130N
旋转角度 /Rotation Angle	0° ~ 70°
旋转强度 /Spin Intensity	≥9N.m
耐用年限 /Durability	≥100,000 times



HALL SENSOR THROTTLES

122DX/2+HT416+DG521 /

电锁开关、安全操控；高强度塑胶外壳；夹紧式铝合金锁紧环，锁紧更稳固；采用电镀工艺区域装饰，显高档、更美观；4档电量显示，电量一目了然，欠压提醒；材料环保，RoHS认证。

Electric lock switch, safety control; High-strength plastic shell, lightweight and durable; Clamping aluminum alloy locking ring for more stable locking; Using electroplating technology to decorate the area, showing high-grade and more beautiful; 4 levels of power display, power at a glance, under voltage reminder; Environmental protection of materials, RoHS certification.

标准 /Approval	RoHS
尺寸 /Size	L150mm W66mm H85mm
重量 /Weight	110g
防水 /Waterproof	IPX4
材料 /Material	PC/ABS、PVC
芯线 /Wiring	6 Pins
电压 /Voltage	24V/36V/48V/60V
工作温度 /Operating Temperature	-20°C~ 60°C
电线拉脱力 /Wire Tension	≥130N
旋转角度 /Rotation Angle	0° ~ 70°
旋转强度 /Spin Intensity	≥9N.m
耐用年限 /Durability	100,000 mating cycle



HALL SENSOR THROTTLES

192X+HT418 /

工艺可靠、性能稳定；高强度塑胶外壳；开放式侧盖，便于维修；夹紧式铝合金锁紧环，锁紧更稳固；EMC电磁兼容性设计，电磁环境可靠运行；材料环保，RoHS认证。

Reliable process and stable performance; High-strength plastic housing; Open side cover for easy maintenance; Clamping aluminum alloy locking ring for more stable locking; EMC electromagnetic compatibility design, reliable operation in electromagnetic environment; Environmental protection of materials, RoHS certification.

标准 /Approval	RoHS
尺寸 /Size	L130mm W55mm H47mm
重量 /Weight	106g
防水 /Waterproof	IPX4
材料 /Material	PC/ABS、PVC
芯线 /Wiring	3 Pins
电压 /Voltage	Working voltage 5v Output voltage 0.8-4.2V
工作温度 /Operating Temperature	-20°C~ 60°C
电线拉脱力 /Wire Tension	≥130N
旋转角度 /Rotation Angle	0° ~ 70°
旋转强度 /Spin Intensity	≥9N.m
耐用年限 /Durability	100,000 mating cycle



198X+HT416+DG521 /

工艺可靠、性能稳定；高强度塑胶外壳；开放式侧盖，便于维修；夹紧式铝合金锁紧环，锁紧更稳固；EMC电磁兼容性设计，电磁环境可靠运行；材料环保，RoHS认证。

Reliable process and stable performance; High-strength plastic housing; Open side cover for easy maintenance; Clamping aluminum alloy locking ring for more stable locking; EMC electromagnetic compatibility design, reliable operation in electromagnetic environment; Environmental protection of materials, RoHS certification.

标准 /Approval	RoHS
尺寸 /Size	L130mm W62.5mm H50mm
重量 /Weight	130g
防水 /Waterproof	IPX4
材料 /Material	PC/ABS、PVC
芯线 /Wiring	5 Pins
电压 /Voltage	Working voltage 5v Output voltage 0.8-4.2V
工作温度 /Operating Temperature	-20°C~ 60°C
电线拉脱力 /Wire Tension	≥130N
旋转角度 /Rotation Angle	0° ~ 70°
旋转强度 /Spin Intensity	≥9N.m
耐用年限 /Durability	100,000 mating cycle



166X /

护套部分可发热，高、低温可控调温；配备USB充电端口，可供电；夹紧式铝合金锁紧环，锁紧更稳固；EMC电磁兼容性设计，电磁环境可靠运行；材料环保，RoHS认证。

The grip part can be heated, and the temperature can be controlled in high and low temperature; Equipped with USB charging port for power supply; Clamping aluminum alloy locking ring for more stable locking; EMC electromagnetic compatibility design, reliable operation in electromagnetic environment; Environmental protection of materials, RoHS certification.

标准 /Approval	RoHS
尺寸 /Size	L176mm W65mm H55mm
重量 /Weight	126g
防水 /Waterproof	IPX5
材料 /Material	PC/ABS、TPR
芯线 /Wiring	5 Pins
电压 /Voltage	Working voltage 5v Output voltage 0.8-4.2V
工作温度 /Operating Temperature	-20°C~ 60°C
电线拉脱力 /Wire Tension	≥130N
旋转角度 /Rotation Angle	0° ~ 70°
旋转强度 /Spin Intensity	≥9N.m
功能 /Function	温度 Temperature (低 Low 13W/高 High 20W)
耐用年限 /Durability	100,000 mating cycle



HALL SENSOR THROTTLES

162DX+HT406 /

工艺可靠、性能稳定；高强度塑胶外壳；开放式侧盖，便于维修；3档电量显示，电量一目了然，欠压提醒；EMC电磁兼容性设计，电磁环境可靠运行；材料环保，RoHS认证。

Reliable process and stable performance; High-strength plastic housing; Open side cover for easy maintenance; 3 levels of power display, power at a glance, under voltage reminder; EMC electromagnetic compatibility design, reliable operation in electromagnetic environment; Environmental protection of materials, RoHS certification.

标准 /Approval	RoHS
尺寸 /Size	L139mm W47mm H56mm
重量 /Weight	110g
防水 /Waterproof	IPX4
材料 /Material	PC/ABS, TPR
芯线 /Wiring	7 Pins
电压 /Voltage	24V/36V/48V/60V
工作温度 /Operating Temperature	-20°C~ 60°C
电线拉脱力 /Wire Tension	≥130N
旋转角度 /Rotation Angle	0° ~ 70°
旋转强度 /Spin Intensity	≥9N.m
耐用年限 /Durability	100,000 mating cycle



HALL SENSOR THROTTLES

158X+HT406 /

工艺可靠、性能稳定；高强度塑胶外壳；开放式侧盖，便于维修；夹紧式铝合金锁紧环，锁紧更稳固；EMC电磁兼容性设计，电磁环境可靠运行；材料环保，RoHS认证。

Reliable process and stable performance; High-strength plastic housing; Open side cover for easy maintenance; Clamping aluminum alloy locking ring for more stable locking; EMC electromagnetic compatibility design, reliable operation in electromagnetic environment; Environmental protection of materials, RoHS certification.

标准 /Approval	RoHS
尺寸 /Size	L136.5mm W36mm H43mm
重量 /Weight	100g
防水 /Waterproof	IPX4
材料 /Material	PC/ABS, TPR
芯线 /Wiring	3 Pins
电压 /Voltage	Working voltage 5v Output voltage 0.8-4.2V
工作温度 /Operating Temperature	-20°C~ 60°C
电线拉脱力 /Wire Tension	≥130N
旋转角度 /Rotation Angle	0° ~ 70°
旋转强度 /Spin Intensity	≥9N.m
耐用年限 /Durability	100,000 mating cycle



158X/2+HT430 /

工艺可靠、性能稳定；高强度塑胶外壳；开放式侧盖，便于维修；铁氟龙耐高温电线，适应各种恶劣环境；EMC电磁兼容性设计，电磁环境可靠运行；达到IPX4级防水能力；材料环保，RoHS认证。

Reliable process and stable performance; High-strength plastic housing; Open side cover for easy maintenance; Teflon high temperature resistant wire, adapt to various harsh environments; EMC electromagnetic compatibility design, reliable operation in electromagnetic environment; Environmental protection of materials, RoHS certification.

标准 /Approval	RoHS
尺寸 /Size	L136.5mm W50mm H50mm
重量 /Weight	105g
防水 /Waterproof	IPX4
材料 /Material	PC/ABS, TPR
芯线 /Wiring	3 Pins
电压 /Voltage	Working voltage 5v Output voltage 0.8-4.2V
工作温度 /Operating Temperature	-20°C~ 60°C
电线拉脱力 /Wire Tension	≥130N
旋转角度 /Rotation Angle	0° ~ 70°
旋转强度 /Spin Intensity	≥9N.m
耐用年限 /Durability	100,000 mating cycle



160X+HT406 /

工艺可靠、性能稳定；高强度塑胶外壳；开放式侧盖，便于维修；夹紧式铝合金锁紧环，锁紧更稳固；EMC电磁兼容性设计，电磁环境可靠运行；材料环保，RoHS认证。

Reliable process and stable performance; High-strength plastic housing; Open side cover for easy maintenance; Clamping aluminum alloy locking ring for more stable locking; EMC electromagnetic compatibility design, reliable operation in electromagnetic environment; Environmental protection of materials, RoHS certification.

标准 /Approval	RoHS
尺寸 /Size	L138.5mm W41.5mm H55mm
重量 /Weight	105g
防水 /Waterproof	IPX4
材料 /Material	PC/ABS, TPR
芯线 /Wiring	5 Pins
电压 /Voltage	Working voltage 5v Output voltage 0.8-4.2V
工作温度 /Operating Temperature	-20°C~ 60°C
电线拉脱力 /Wire Tension	≥130N
旋转角度 /Rotation Angle	0° ~ 70°
旋转强度 /Spin Intensity	≥9N.m
耐用年限 /Durability	100,000 mating cycle



HALL SENSOR THROTTLES

FT160X+HT420 /

工艺可靠、性能稳定；高强度塑胶外壳；开放式侧盖，便于维修；铁氟龙耐高温电线，适应各种恶劣环境；EMC 电磁兼容性设计，电磁环境可靠运行；材料环保，RoHS 认证。

Reliable process and stable performance; High-strength plastic housing; Open side cover for easy maintenance; Teflon high temperature resistant wire, adapt to various harsh environments; EMC electromagnetic compatibility design, reliable operation in electromagnetic environment; Environmental protection of materials, RoHS certification.

标准 /Approval	RoHS
尺寸 /Size	L139mm W41.5mm H55mm
重量 /Weight	105g
防水 /Waterproof	IPX4
材料 /Material	PC/ABS、TPR
芯线 /Wiring	5 Pins
电压 /Voltage	Working voltage 5v Output voltage 0.8-4.2V
工作温度 /Operating Temperature	-20°C~ 60°C
电线拉脱力 /Wire Tension	≥130N
旋转角度 /Rotation Angle	0° ~ 70°
旋转强度 /Spin Intensity	≥9N.m
耐用年限 /Durability	100,000 mating cycle



HALL SENSOR THROTTLES

160X/2+HT428 /

工艺可靠、性能稳定；高强度塑胶外壳；开放式侧盖，便于维修；铁氟龙耐高温电线，适应各种恶劣环境；EMC 电磁兼容性设计，电磁环境可靠运行；达到 IPX4 级防水能力；材料环保，RoHS 认证。

Reliable process and stable performance; High-strength plastic housing; Open side cover for easy maintenance; Teflon high temperature resistant wire, adapt to various harsh environments; EMC electromagnetic compatibility design, reliable operation in electromagnetic environment; Environmental protection of materials, RoHS certification.

标准 /Approval	RoHS
尺寸 /Size	L137.5mm W62mm H50mm
重量 /Weight	110g
防水 /Waterproof	IPX4
材料 /Material	PC/ABS、TPR
芯线 /Wiring	5 Pins
电压 /Voltage	Working voltage 5v Output voltage 0.8-4.2V
工作温度 /Operating Temperature	-20°C~ 60°C
电线拉脱力 /Wire Tension	≥130N
旋转角度 /Rotation Angle	0° ~ 70°
旋转强度 /Spin Intensity	≥9N.m
耐用年限 /Durability	100,000 mating cycle



FT162DX+HT420 /

高强度塑胶外壳；开放式侧盖，便于维修；铁氟龙耐高温电线，适应各种恶劣环境；3 档电量显示，电量一目了然，欠压提醒；EMC 电磁兼容性设计，电磁环境可靠运行；材料环保，RoHS 认证。

High-strength plastic housing; Open side cover for easy maintenance; Teflon high temperature resistant wire, adapt to various harsh environments; 3 levels of power display, power at a glance, under voltage reminder; EMC electromagnetic compatibility design, reliable operation in electromagnetic environment; Environmental protection of materials, RoHS certification.

标准 /Approval	RoHS
尺寸 /Size	L139mm W47mm H56mm
重量 /Weight	110g
防水 /Waterproof	IPX4
材料 /Material	PC/ABS、TPR
芯线 /Wiring	7 Pins
电压 /Voltage	24V/36V/48V/60V
工作温度 /Operating Temperature	-20°C~ 60°C
电线拉脱力 /Wire Tension	≥130N
旋转角度 /Rotation Angle	0° ~ 70°
旋转强度 /Spin Intensity	≥9N.m
耐用年限 /Durability	100,000 mating cycle



FT158X+HT420 /

工艺可靠、性能稳定；高强度塑胶外壳；开放式侧盖，便于维修；铁氟龙耐高温电线，适应各种恶劣环境；EMC 电磁兼容性设计，电磁环境可靠运行；达到 IPX4 级防水能力；材料环保，RoHS 认证。

Reliable process and stable performance; High-strength plastic housing; Open side cover for easy maintenance; Teflon high temperature resistant wire, adapt to various harsh environments; EMC electromagnetic compatibility design, reliable operation in electromagnetic environment; Environmental protection of materials, RoHS certification.

标准 /Approval	RoHS
尺寸 /Size	L138.5mm W43.1mm H37mm
重量 /Weight	100g
防水 /Waterproof	IPX4
材料 /Material	PC/ABS、TPR
芯线 /Wiring	3 Pins
电压 /Voltage	Working voltage 5v Output voltage 0.8-4.2V
工作温度 /Operating Temperature	-20°C~ 60°C
电线拉脱力 /Wire Tension	≥130N
旋转角度 /Rotation Angle	0° ~ 70°
旋转强度 /Spin Intensity	≥9N.m
耐用年限 /Durability	100,000 mating cycle



HALL SENSOR THROTTLES

218X+HT468+DG556 /

工艺可靠、性能稳定；高强度塑胶外壳；开放式侧盖，便于维修；铁氟龙耐高温电线，适应各种恶劣环境；EMC 电磁兼容性设计，电磁环境可靠运行；材料环保，RoHS 认证。

Reliable process and stable performance; High-strength plastic housing; Open side cover for easy maintenance; Teflon high temperature resistant wire, adapt to various harsh environments; EMC electromagnetic compatibility design, reliable operation in electromagnetic environment; Environmental protection of materials, RoHS certification.

标准 /Approval	RoHS
尺寸 /Size	L126mm W50mm H51mm
重量 /Weight	105g
防水 /Waterproof	IPX4
材料 /Material	PC/ABS、PVC
芯线 /Wiring	3 Pins
电压 /Voltage	DC 5V
工作温度 /Operating Temperature	-20°C~ 60°C
电线拉脱力 /Wire Tension	≥130N
旋转角度 /Rotation Angle	0° ~ 65°
旋转强度 /Spin Intensity	≥9N.m
耐用年限 /Durability	100,000 mating cycle



218X/2 /

工艺可靠、性能稳定；高强度塑胶外壳；开放式侧盖，便于维修；铁氟龙耐高温电线，适应各种恶劣环境；EMC 电磁兼容性设计，电磁环境可靠运行；材料环保，RoHS 认证。

Reliable process and stable performance; High-strength plastic housing; Open side cover for easy maintenance; Teflon high temperature resistant wire, adapt to various harsh environments; EMC electromagnetic compatibility design, reliable operation in electromagnetic environment; Environmental protection of materials, RoHS certification.

标准 /Approval	RoHS
尺寸 /Size	L135mm W51mm H52mm
重量 /Weight	102g
防水 /Waterproof	IPX4
材料 /Material	PC/ABS、PVC
芯线 /Wiring	3 Pins
电压 /Voltage	DC 5V
工作温度 /Operating Temperature	-20°C~ 60°C
电线拉脱力 /Wire Tension	≥130N
旋转角度 /Rotation Angle	0° ~ 65°
旋转强度 /Spin Intensity	≥9N.m
耐用年限 /Durability	100,000 mating cycle



HALL SENSOR THROTTLES

112DXS+HT375 /

电锁开关、安全操控；高强度塑胶外壳；夹紧式铝合金锁紧环，锁紧更稳固；采用电镀工艺区域装饰，显高档、更美观；材料环保，RoHS 认证。Electric lock switch, safety control; High-strength plastic shell, lightweight and durable; Clamping aluminum alloy locking ring for more stable locking; Using electroplating technology to decorate the area, showing high-grade and more beautiful; Environmental protection of materials, RoHS certification.

标准 /Approval	RoHS
尺寸 /Size	L141mm W84mm H62mm
重量 /Weight	220g
防水 /Waterproof	IPX4
材料 /Material	PC/ABS、PVC
芯线 /Wiring	5 Pins
电压 /Voltage	24V/36V/48V/60V
工作温度 /Operating Temperature	-20°C~ 60°C
电线拉脱力 /Wire Tension	≥130N
旋转角度 /Rotation Angle	0° ~ 70°
旋转强度 /Spin Intensity	≥9N.m
耐用年限 /Durability	100,000 mating cycle



118DX+HT388 /

结构简单、工艺可靠、性能稳定；夹紧式铝合金锁紧环，锁紧更稳固；3 档电量显示，电量一目了然；符合人体工程操作，手感轻盈、舒适；材料环保，RoHS 认证。

Simple structure, reliable process and stable performance ; Clamping aluminum alloy locking ring for more stable locking ; 3 levels of power display, power at a glance ; Ergonomic operation, light and comfortable; Environmental protection of materials, RoHS certification.

标准 /Approval	RoHS
尺寸 /Size	L63.8mm W46mm H65mm
重量 /Weight	62g
防水 /Waterproof	IPX4
材料 /Material	PC/ABS、TPR
芯线 /Wiring	4 Pins
电压 /Voltage	24V/36V/48V
工作温度 /Operating Temperature	-20°C~ 60°C
电线拉脱力 /Wire Tension	≥130N
旋转角度 /Rotation Angle	0° ~ 70°
旋转强度 /Spin Intensity	≥9N.m
耐用年限 /Durability	100,000 mating cycle



HALL SENSOR THROTTLES

188X /

结构简单、工艺可靠、性能稳定；高强度塑胶外壳，轻巧、耐用；符合人体工程操作，超大按键区域，手感轻盈、舒适；铁氟龙耐高温电线，适应各种恶劣环境；材料环保，RoHS 认证。

Simple structure, reliable process and stable performance; High-strength plastic shell, lightweight and durable; Ergonomic operation, large button area, light and comfortable; Teflon high temperature resistant wire, adapt to various harsh environments; Environmental protection of materials, RoHS certification.



标准 /Approval	RoHS
尺寸 /Size	L62mm W33mm H63mm
重量 /Weight	46g
防水 /Waterproof	IPX4
材料 /Material	PC/ABS
芯线 /Wiring	5 Pins
电压 /Voltage	DC 5V
工作温度 /Operating Temperature	-20°C~ 60°C
电线拉脱力 /Wire Tension	≥60N
旋转角度 /Rotation Angle	0° ~ 40°
旋转强度 /Spin Intensity	≥4N.m
耐用年限 /Durability	100,000 mating cycle

270X /

指拨操控，适配 U 型管安装；采用侧走线方式，可顺从把横管排线，更美观；铁氟龙耐高温电线，适应各种恶劣环境；材料环保，RoHS 认证；达到 IPX7 级的最高强悍防水能力（全浸水）

Thumb control, stylish and exquisite,U-tube installation; Adopting the side wiring method, it can obey the handlebar pipe, which is more beautiful; Teflon high temperature resistant wire, adapt to various harsh environments; Environmental protection of materials, RoHS certification; Achieve the highest tough waterproof ability of IPX7 level (full immersion).



标准 /Approval	RoHS
尺寸 /Size	L64mm W44mm H27mm
重量 /Weight	38g
防水 /Waterproof	IPX7
材料 /Material	PC/ABS、TPR
芯线 /Wiring	3 Pins
电压 /Voltage	Working voltage 5v Output voltage 0.8-4.2V
工作温度 /Operating Temperature	-20°C~ 60°C
电线拉脱力 /Wire Tension	≥60N
旋转角度 /Rotation Angle	0° ~ 50°
旋转强度 /Spin Intensity	≥6N.m
耐用年限 /Durability	100,000 mating cycle



HALL SENSOR THROTTLES

216X / 216X/2 /

指拨操控，适配 U 型管安装；采用内侧走线方式，可顺从把横管排线，更美观；铁氟龙耐高温电线，适应各种恶劣环境；达到 IPX4 级防水性能；材料环保，RoHS 认证。

Thumb control, stylish and exquisite,U-tube installation; The inner wiring method can be used to line the horizontal pipe, which is more beautiful; Teflon high temperature resistant wire, adapt to various harsh environments; Achieve IPX4 waterproof performance; Environmental protection of materials, RoHS certification.



标准 /Approval	RoHS
尺寸 /Size	L64mm W24mm H43.5mm
重量 /Weight	32g
防水 /Waterproof	IPX4
材料 /Material	PC/ABS、TPR
芯线 /Wiring	3 Pins
电压 /Voltage	Working voltage 5v Output voltage 0.8-4.2V
工作温度 /Operating Temperature	-20°C~ 60°C
电线拉脱力 /Wire Tension	≥60N
旋转角度 /Rotation Angle	0° ~ 50°
旋转强度 /Spin Intensity	≥10N.m
耐用年限 /Durability	100,000 mating cycle

230X/2 /

指拨操控，适配 U 型管安装；采用内侧走线方式，可顺从把横管排线，更美观；铁氟龙耐高温电线，适应各种恶劣环境；达到 IPX4 级防水性能；材料环保，RoHS 认证。

Thumb control, stylish and exquisite,U-tube installation; The inner wiring method can be used to line the horizontal pipe, which is more beautiful; Teflon high temperature resistant wire, adapt to various harsh environments; Achieve IPX4 waterproof performance; Environmental protection of materials, RoHS certification.



标准 /Approval	RoHS
尺寸 /Size	L65mm W28.5mm H46mm
重量 /Weight	40g
防水 /Waterproof	IPX4
材料 /Material	PC/ABS、TPR
芯线 /Wiring	3 Pins
电压 /Voltage	Working voltage 5v Output voltage 0.8-4.2V
工作温度 /Operating Temperature	-20°C~ 60°C
电线拉脱力 /Wire Tension	≥60N
旋转角度 /Rotation Angle	0° ~ 50°
旋转强度 /Spin Intensity	≥9N.m
耐用年限 /Durability	100,000 mating cycle

HALL SENSOR THROTTLES

130X /

结构简单、工艺可靠、性能稳定；高强度塑胶外壳，轻巧、耐用；符合人体工程操作，超大按键区域，手感轻盈、舒适；铁氟龙耐高温电线，适应各种恶劣环境；材料环保，RoHS 认证

Simple structure, reliable process and stable performance; High-strength plastic shell, lightweight and durable; Ergonomic operation, large button area, light and comfortable; Teflon high temperature resistant wire, adapt to various harsh environments; Environmental protection of materials, RoHS certification.

标准 /Approval	RoHS
尺寸 /Size	L60mm W30mm H47.6mm
重量 /Weight	37g
防水 /Waterproof	IPX4
材料 /Material	PC/ABS
芯线 /Wiring	3 Pins
电压 /Voltage	Working voltage 5v Output voltage 0.8-4.2V
工作温度 /Operating Temperature	-20°C~ 60°C
电线拉脱力 /Wire Tension	≥60N
旋转角度 /Rotation Angle	0° ~ 40°
旋转强度 /Spin Intensity	≥4N.m
耐用年限 /Durability	100,000 mating cycle



HALL SENSOR THROTTLES

106DX /

结构简单、工艺可靠、性能稳定；高强度塑胶外壳，轻巧、耐用；夹紧铝合金锁紧环，锁紧更稳固；3 档电量显示，电量一目了然；达到 IPX4 级的防水能力；材料环保，RoHS 认证。

Simple structure, reliable process and stable performance; High-strength plastic shell ; Clamping aluminum alloy locking ring for more stable locking; 3 levels of power display, power at a glance; Achieve IPX4 waterproof performance; Environmental protection of materials, RoHS certification.

标准 /Approval	RoHS
尺寸 /Size	L69mm W69mm H30mm
重量 /Weight	46g
防水 /Waterproof	IPX4
材料 /Material	PC/ABS
芯线 /Wiring	6 Pins
电压 /Voltage	24V/36V/48V/60V/72V
工作温度 /Operating Temperature	-20°C~ 60°C
电线拉脱力 /Wire Tension	≥60N
旋转角度 /Rotation Angle	0° ~ 53°
旋转强度 /Spin Intensity	≥5N.m
耐用年限 /Durability	100,000 mating cycle



108X-L / 108X-R /

结构简单、工艺可靠、性能稳定；高强度塑胶外壳，轻巧、耐用；符合人体工程操作，超大按键区域，手感轻盈、舒适；铁氟龙耐高温电线，适应各种恶劣环境；材料环保，RoHS 认证

Simple structure, reliable process and stable performance; High-strength plastic shell, lightweight and durable; Ergonomic operation, large button area, light and comfortable; Teflon high temperature resistant wire, adapt to various harsh environments; Environmental protection of material RoHS certification.

标准 /Approval	RoHS
尺寸 /Size	L46mm W46mm H59mm
重量 /Weight	47g
防水 /Waterproof	IPX5
材料 /Material	ABS、PA66/GF20
芯线 /Wiring	3 Pins
电压 /Voltage	Working voltage 5v Output voltage 0.8-4.2V
工作温度 /Operating Temperature	-20°C~ 60°C
电线拉脱力 /Wire Tension	≥60N
旋转角度 /Rotation Angle	0° ~ 65°
旋转强度 /Spin Intensity	≥5N.m
耐用年限 /Durability	100,000 mating cycle





SWITCHES /

SWITCHES

MAIN FEATURES

Simple structure, reliable process and stable performance ; Clamping aluminum alloy locking ring, more stable ; Ergonomic operation, light and comfortable ; Achieve IPX4 waterproof capacity ; Environmentally friendly materials, RoHS certification.

结构简单、工艺可靠、性能稳定；夹紧式铝合金锁紧环，锁紧更稳固；符合人体工程操作，手感轻盈、舒适；达到 IPX4 级防水能力；材料环保，RoHS 认证。

DK16 /

标准 /Approval	RoHS	芯线 /Wiring	2/3 Pins
尺寸 /Size	L65mm W28mm H39mm	电流 /Current	3A/12V DC
重量 /Weight	23g	工作温度 /Operating Temperature	-20°C~ 60°C
防水 /Waterproof	IPX4	电线拉脱力 /Wire Tension	≥130N
材料 /Material	PC/ABS	耐用年限 /Durability	100,000 mating cycle



DK136 /

标准 /Approval	RoHS	芯线 /Wiring	2 Pins
尺寸 /Size	L39mm W61mm H22mm	电流 /Current	3A/12V DC
重量 /Weight	21g	工作温度 /Operating Temperature	-20°C~ 60°C
防水 /Waterproof	IPX4	电线拉脱力 /Wire Tension	≥130N
材料 /Material	PC/ABS	耐用年限 /Durability	100,000 mating cycle



DK216 /

标准 /Approval	RoHS	芯线 /Wiring	4 Pins
尺寸 /Size	L66mm W42mm H39mm	电流 /Current	3A/12V DC
重量 /Weight	34g	工作温度 /Operating Temperature	-20°C~ 60°C
防水 /Waterproof	IPX4	电线拉脱力 /Wire Tension	≥130N
材料 /Material	PC/ABS	耐用年限 /Durability	100,000 mating cycle



DK218 /

标准 /Approval	RoHS	芯线 /Wiring	4 Pins
尺寸 /Size	L61mm W37mm H38mm	电流 /Current	3A/12V DC
重量 /Weight	26g	工作温度 /Operating Temperature	-20°C~ 60°C
防水 /Waterproof	IPX4	电线拉脱力 /Wire Tension	≥130N
材料 /Material	PC/ABS	耐用年限 /Durability	100,000 mating cycle



SWITCHES

DK214 /

标准 /Approval	RoHS	芯线 /Wiring	4 Pins
尺寸 /Size	L34.5mm W54.2mm	电流 /Current	3A/12V DC
	H66.8mm	工作温度 /Operating Temperature	-20°C~ 60°C
防水 /Waterproof	IPX4	电线拉脱力 /Wire Tension	≥130N
材料 /Material	PC/ABS	耐用年限 /Durability	100,000 mating cycle



DK314 /

标准 /Approval	RoHS	芯线 /Wiring	7 Pins
尺寸 /Size	L34.5mm W54.2mm	电流 /Current	3A/12V DC
	H79.6mm	工作温度 /Operating Temperature	-20°C~ 60°C
防水 /Waterproof	IPX4	电线拉脱力 /Wire Tension	≥130N
材料 /Material	PC/ABS	耐用年限 /Durability	100,000 mating cycle



DK410 /

标准 /Approval	RoHS	电流 /Current	3A/12V DC
尺寸 /Size	L85mm W35mm H57mm	工作温度 /Operating Temperature	-20°C~ 60°C
防水 /Waterproof	IPX4	电线拉脱力 /Wire Tension	≥130N
材料 /Material	PC/ABS	耐用年限 /Durability	100,000 mating cycle
芯线 /Wiring	9 Pins		



DK224 /

标准 /Approval	RoHS	芯线 /Wiring	4 Pins
尺寸 /Size	L73mm W55mm H33mm	电流 /Current	3A/12V DC
重量 /Weight	37g	工作温度 /Operating Temperature	-20°C~ 60°C
防水 /Waterproof	IPX4	电线拉脱力 /Wire Tension	≥130N
材料 /Material	PC/ABS	耐用年限 /Durability	≥100,000 times



SWITCHES

DK324 /

标准 /Approval	RoHS	芯线 /Wiring	7 Pins
尺寸 /Size	L80mm W32mm H55mm	电流 /Current	3A/12V DC
重量 /Weight	43g	工作温度 /Operating Temperature	-20°C ~ 60°C
防水 /Waterproof	IPX4	电线拉脱力 /Wire Tension	≥130N
材料 /Material	PC/ABS	耐用年限 /Durability	100,000 mating cycle



DK240 /

标准 /Approval	RoHS	芯线 /Wiring	4 Pins
尺寸 /Size	L33mm W55mm H72mm	电流 /Current	3A/12V DC
重量 /Weight	38g	工作温度 /Operating Temperature	-20°C ~ 60°C
防水 /Waterproof	IPX4	电线拉脱力 /Wire Tension	≥130N
材料 /Material	PC/ABS	耐用年限 /Durability	100,000 mating cycle



DK340 /

标准 /Approval	RoHS	芯线 /Wiring	2 Pins
尺寸 /Size	L39mm W61mm H22mm	电流 /Current	3A/12V DC
重量 /Weight	17.7g	工作温度 /Operating Temperature	-20°C ~ 60°C
防水 /Waterproof	IPX5	电线拉脱力 /Wire Tension	≥130N
材料 /Material	PC/ABS	耐用年限 /Durability	100,000 mating cycle



DK138/2 /

标准 /Approval	RoHS	芯线 /Wiring	2 Pins
尺寸 /Size	L20mm W46mm H54mm	电流 /Current	3A/12V DC
重量 /Weight	21g	工作温度 /Operating Temperature	-20°C ~ 60°C
防水 /Waterproof	IPX4	电线拉脱力 /Wire Tension	≥60N
材料 /Material	PA6+GF20	耐用年限 /Durability	100,000 mating cycle



SWITCHES

DK226/2 /

标准 /Approval	RoHS	芯线 /Wiring	3 /4 Pins
尺寸 /Size	L22mm W50mm H42mm	电流 /Current	1A/12V DC
重量 /Weight	32g	工作温度 /Operating Temperature	-20°C ~ 60°C
防水 /Waterproof	IPX4	电线拉脱力 /Wire Tension	≥130N
材料 /Material	PA6+20GF TPR	耐用年限 /Durability	100,000 mating cycle



DK256 /

标准 /Approval	RoHS	芯线 /Wiring	5 Pins
尺寸 /Size	L60mm W62mm H25mm	电流 /Current	3A/12V DC
重量 /Weight	40g	工作温度 /Operating Temperature	-20°C ~ 60°C
防水 /Waterproof	IPX4	电线拉脱力 /Wire Tension	≥130N
材料 /Material	ABS	耐用年限 /Durability	100,000 mating cycle



DK412 /

标准 /Approval	RoHS	芯线 /Wiring	7 Pins
尺寸 /Size	L66mm W68mm H33mm	电流 /Current	3A/12V DC
重量 /Weight	75g	工作温度 /Operating Temperature	-20°C ~ 60°C
防水 /Waterproof	IPX4	电线拉脱力 /Wire Tension	≥130N
材料 /Material	ABS	耐用年限 /Durability	100,000 mating cycle



DK242 /

标准 /Approval	RoHS	芯线 /Wiring	3 Pins
尺寸 /Size	L45mm W22mm H50mm	电流 /Current	50mA/12V DC
重量 /Weight	36.8g	工作温度 /Operating Temperature	-20°C ~ 60°C
防水 /Waterproof	IPX4	电线拉脱力 /Wire Tension	≥130N
材料 /Material	PA6+20GF TPR	耐用年限 /Durability	100,000 mating cycle



NEW

采用内侧走线方式
THE INNER WIRING METHOD CAN BE USED

SWITCHES

DK336/2 /

标准 /Approval	RoHS	芯线 /Wiring	6/8 Pins
尺寸 /Size	L26mm W54mm H54mm	电流 /Current	1A/12V DC
重量 /Weight	41g	工作温度 /Operating Temperature	-20°C ~ 60°C
防水 /Waterproof	IPX4	电线拉脱力 /Wire Tension	≥130N
材料 /Material	PA6+20GF TPR	耐用年限 /Durability	100,000 mating cycle



DK336 /

标准 /Approval	RoHS	芯线 /Wiring	8 Pins
尺寸 /Size	L147mm W54mm H54mm	电流 /Current	1A/12V DC
重量 /Weight	110g	工作温度 /Operating Temperature	-20°C ~ 60°C
防水 /Waterproof	IPX4	电线拉脱力 /Wire Tension	≥130N
材料 /Material	PP TPR	耐用年限 /Durability	100,000 mating cycle



DK226 /

标准 /Approval	RoHS	芯线 /Wiring	3/4 Pins
尺寸 /Size	L142mm W22mm H42mm	电流 /Current	1A/12V DC
重量 /Weight	100g	工作温度 /Operating Temperature	-20°C ~ 60°C
防水 /Waterproof	IPX4	电线拉脱力 /Wire Tension	≥130N
材料 /Material	PP TPR	耐用年限 /Durability	100,000 mating cycle



DK138 /

标准 /Approval	RoHS	芯线 /Wiring	2 Pins
尺寸 /Size	L136.5mm W46mm H55mm	电流 /Current	3A/12V DC
重量 /Weight	100g	工作温度 /Operating Temperature	-20°C ~ 60°C
防水 /Waterproof	IPX4	电线拉脱力 /Wire Tension	≥60N
材料 /Material	PC/ABS TPR	耐用年限 /Durability	100,000 mating cycle





GRIPS /

GRIPS

MAIN FEATURES

shape is tough, with clear layers and fine leather appearance; Elastic soft rubber, soft and comfortable feel, strong grip, non-slip, sweat away; Easy installation and disassembly, no need for strong disassembly;

外形硬朗风格，层次分明，外表细皮纹理；弹性软胶，手感柔软舒适，握着力强，防滑、排汗；安装拆卸方便，无需强拆装。

T430.T430/2 /

标准 /Approval	RoHS
尺寸 /Size	L136mm W34mm H34mm
重量 /Weight	99g
材料 /Material	TPR
安装深度 /Fitting Depth	116mm
工作温度 /Operating Temperature	-20°C~ 60°C
拉脱力 /Pulling-out Force	≥400N
锁紧扭矩 /Locking Torque	3.9N.m
扭转强度 /Torsional Strength	≥9N.m



T428.T428/2 /

标准 /Approval	RoHS
尺寸 /Size	L136mm W34mm H34mm
重量 /Weight	99g
材料 /Material	TPR
安装深度 /Fitting Depth	116mm
工作温度 /Operating Temperature	-20°C~ 60°C
拉脱力 /Pulling-out Force	≥400N
锁紧扭矩 /Locking Torque	3.9N.m
扭转强度 /Torsional Strength	≥9N.m



T406.T406/2 /

标准 /Approval	RoHS
尺寸 /Size	L136mm W34mm H34mm
重量 /Weight	99g
材料 /Material	TPR
安装深度 /Fitting Depth	116mm
工作温度 /Operating Temperature	-20°C~ 60°C
拉脱力 /Pulling-out Force	≥400N
锁紧扭矩 /Locking Torque	3.9N.m
扭转强度 /Torsional Strength	≥9N.m



GRIPS

T392.T392/2 /

标准 /Approval	RoHS
尺寸 /Size	L117mm H34mm
重量 /Weight	90g
材料 /Material	TPR
安装深度 /Fitting Depth	107mm
工作温度 /Operating Temperature	-20°C~ 60°C
拉脱力 /Pulling-out Force	≥400N
锁紧扭矩 /Locking Torque	3.9N.m
扭转强度 /Torsional Strength	≥9N.m



T390.T390/2 /

标准 /Approval	RoHS
尺寸 /Size	L117mm H34mm
重量 /Weight	55g
材料 /Material	TPR
安装深度 /Fitting Depth	107mm
工作温度 /Operating Temperature	-20°C~ 60°C
拉脱力 /Pulling-out Force	≥400N
锁紧扭矩 /Locking Torque	3.9N.m
扭转强度 /Torsional Strength	≥9N.m



T376.T375. HT375 /

标准 /Approval	RoHS
尺寸 /Size	L118mm W50mm H33mm
重量 /Weight	58.5g/46.3g/17.1g
材料 /Material	PVC
安装深度 /Fitting Depth	[T375]75mm;[T376]114mm
工作温度 /Operating Temperature	-20°C~ 60°C
拉脱力 /Pulling-out Force	≥150N



T380.T382 /

标准 /Approval	RoHS
尺寸 /Size	L130mm W54.6mm H35.5mm
重量 /Weight	46.3g
材料 /Material	TPR
安装深度 /Fitting Depth	[T380]124mm;[T382]79mm
工作温度 /Operating Temperature	-20°C~ 60°C
拉脱力 /Pulling-out Force	≥150N



GRIPS

T462 /

标准 /Approval	RoHS
尺寸 /Size	L118.2mm W34.6mm H34.6mm
重量 /Weight	100g
材料 /Material	PVC
安装深度 /Fitting Depth	111mm
工作温度 /Operating Temperature	-20°C ~ 60°C
拉脱力 /Pulling-out Force	≥200N



T460 /

标准 /Approval	RoHS
尺寸 /Size	L120mm W33mm H33mm
重量 /Weight	120g
材料 /Material	PP+TPR
安装深度 /Fitting Depth	114mm
工作温度 /Operating Temperature	-20°C ~ 60°C
拉脱力 /Pulling-out Force	≥400N
锁紧扭矩 /Locking Torque	≥3.9N.m
扭转强度 /Torsional Strength	≥9N.m



T450 /

标准 /Approval	RoHS
尺寸 /Size	L115mm W33mm H33mm
重量 /Weight	62g
材料 /Material	PP+TPR
安装深度 /Fitting Depth	111mm
工作温度 /Operating Temperature	-20°C ~ 60°C
拉脱力 /Pulling-out Force	≥400N
锁紧扭矩 /Locking Torque	≥3.9N.m
扭转强度 /Torsional Strength	≥9N.m



T426 /

标准 /Approval	RoHS
尺寸 /Size	L113mm W34mm H34mm
重量 /Weight	/
材料 /Material	PVC
安装深度 /Fitting Depth	103mm
工作温度 /Operating Temperature	-20°C ~ 60°C
拉脱力 /Pulling-out Force	≥150N



GRIPS

T438 /

标准 /Approval	RoHS
尺寸 /Size	L116mm W34mm H34mm
重量 /Weight	46.3g
材料 /Material	TPR
安装深度 /Fitting Depth	108mm
工作温度 /Operating Temperature	-20°C ~ 60°C
拉脱力 /Pulling-out Force	≥150N



T432 /

标准 /Approval	RoHS
尺寸 /Size	L114mm W34mm H34mm
重量 /Weight	80g
材料 /Material	TPR
安装深度 /Fitting Depth	106mm
工作温度 /Operating Temperature	-20°C ~ 60°C
拉脱力 /Pulling-out Force	≥150N



T418 /

标准 /Approval	RoHS
尺寸 /Size	L114mm W33mm H33mm
重量 /Weight	46.3g
材料 /Material	PVC
安装深度 /Fitting Depth	110mm
工作温度 /Operating Temperature	-20°C ~ 60°C
拉脱力 /Pulling-out Force	≥150N



T416+DG517 /

标准 /Approval	RoHS
尺寸 /Size	L132mm W33mm H36.8mm
重量 /Weight	46.3g
材料 /Material	PVC
安装深度 /Fitting Depth	110mm
工作温度 /Operating Temperature	-20°C ~ 60°C
拉脱力 /Pulling-out Force	≥150N



GRIPS

T420 /

标准 /Approval	RoHS
尺寸 /Size	L128mm W34mm H34mm
重量 /Weight	46.3g
材料 /Material	TPR
安装深度 /Fitting Depth	123mm
工作温度 /Operating Temperature	-20°C ~ 60°C
拉脱力 /Pulling-out Force	≥150N



T388.HT388 /

标准 /Approval	RoHS
尺寸 /Size	L70mm H34mm/L116mm H34mm
重量 /Weight	35g/55g
材料 /Material	TPR
安装深度 /Fitting Depth	(T388)60mm
工作温度 /Operating Temperature	-20°C ~ 60°C
拉脱力 /Pulling-out Force	≥400N
锁紧扭矩 /Locking Torque	3.9N.m
扭转强度 /Torsional Strength	≥9N.m



T386 /

标准 /Approval	RoHS
尺寸 /Size	L118mm W34mm H34mm
重量 /Weight	/
材料 /Material	PVC
安装深度 /Fitting Depth	107mm
工作温度 /Operating Temperature	-20°C ~ 60°C
拉脱力 /Pulling-out Force	≥150N



T110 /

尺寸 /Size	L106mm H31mm
重量 /Weight	45.3g
材料 /Material	PVC
安装深度 /Fitting Depth	102mm
工作温度 /Operating Temperature	-20°C ~ 60°C
拉脱力 /Pulling-out Force	≥150N



GRIPS

T247 /

标准 /Approval	RoHS
尺寸 /Size	L112mm W31mm
重量 /Weight	46.3g
材料 /Material	PVC
安装深度 /Fitting Depth	108mm
工作温度 /Operating Temperature	-20°C ~ 60°C
拉脱力 /Pulling-out Force	≥150N



T246 /

标准 /Approval	RoHS
尺寸 /Size	L67mm W31mm
重量 /Weight	46.3g
材料 /Material	PVC
安装深度 /Fitting Depth	62mm
工作温度 /Operating Temperature	-20°C ~ 60°C
拉脱力 /Pulling-out Force	≥150N



T611 /

尺寸 /Size	L115mm W33mm H33mm
重量 /Weight	84g
材料 /Material	PVC
安装深度 /Fitting Depth	110mm
工作温度 /Operating Temperature	-20°C ~ 60°C
拉脱力 /Pulling-out Force	≥150N



T609 /

尺寸 /Size	L115mm W33mm H33mm
重量 /Weight	84g
材料 /Material	PVC
安装深度 /Fitting Depth	110mm
工作温度 /Operating Temperature	-20°C ~ 60°C
拉脱力 /Pulling-out Force	≥150N



GRIPS

T605 /

尺寸 /Size	L115mm W34mm H34mm
重量 /Weight	75g
材料 /Material	PVC
安装深度 /Fitting Depth	108mm
工作温度 /Operating Temperature	-20°C ~ 60°C
拉脱力 /Pulling-out Force	≥150N



T581 /

尺寸 /Size	L114.5mm W33mm H33mm
重量 /Weight	78.8g
材料 /Material	PVC
安装深度 /Fitting Depth	109mm
工作温度 /Operating Temperature	-20°C ~ 60°C
拉脱力 /Pulling-out Force	≥150N



T535 /

尺寸 /Size	L128mm W34mm H34mm
重量 /Weight	20.8g+54.7g
材料 /Material	ABS+PVC
安装深度 /Fitting Depth	110mm
工作温度 /Operating Temperature	-20°C ~ 60°C
拉脱力 /Pulling-out Force	≥400N
锁紧扭矩 /Locking Torque	≤3.5N.m
扭转强度 /Torsional Strength	≤7N.m



T525+DG557/1 /

尺寸 /Size	L128.5mm W34mm H34mm
重量 /Weight	21.2g+46.8g
材料 /Material	ABS+PVC
安装深度 /Fitting Depth	110mm
工作温度 /Operating Temperature	-20°C ~ 60°C
拉脱力 /Pulling-out Force	≥400N
锁紧扭矩 /Locking Torque	≤3.5N.m
扭转强度 /Torsional Strength	≤7N.m





HYDRAULIC DISC BRAKES /

HYDRAULIC DISC BRAKES

150PYD /

采用锻造工艺、双活塞卡钳；铰链结构，方便安装；选用优质电子开关；全密封防水防尘结构。

Adopts forging process and double-piston calipers; Hinge structure for easy installation; High-quality electronic switches are used; Fully sealed waterproof and dust-proof structure.

长度 /Length	3 Fingers width
尺寸 /Size	Upper Pump L193mm W120mm H35mm Lower Pump L86mm W45.6mm H37.1mm
重量 /Weight	Upper pump 157g; lower pump 132g
防水 /Waterproof	IPX6
材料 /Material	Caliper/lever: forged aluminum , bracket: cast aluminum
芯线 /Wiring	2 Pins
电流 /Current	1A(MAX)
工作温度 /Operating Temperature	-20°C ~ 60°C
抗拉力 /Stretching Resistance	≥450N
耐用年限 /Durability	100,000 mating cycle



152PYDZ /

采用锻造工艺、双活塞卡钳；可旋转油管接头，方便安装；带驻车功能；选用优质电子开关；全密封防水防尘结构。

Forging process, double-piston caliper; Rotatable tubing joint for easy installation; Parking function; High-quality electronic switch selected; Fully sealed waterproof and dustproof structure.

长度 /Length	3 Fingers width
尺寸 /Size	Upper Pump L193mm W120mm H35mm Lower Pump L86mm W45.6mm H37.1mm
重量 /Weight	Upper pump 171g; lower pump 132g
防水 /Waterproof	IPX6
材料 /Material	Caliper/lever: forged aluminum , bracket: cast aluminum
芯线 /Wiring	2 Pins
电流 /Current	1A(MAX)
工作温度 /Operating Temperature	-20°C ~ 60°C
抗拉力 /Stretching Resistance	≥450N
耐用年限 /Durability	100,000 mating cycle



HYDRAULIC DISC BRAKES

156PYD /

采用锻造工艺、双活塞卡钳；符合人体工学2指把手，更适合助力自行车；选用优质电子开关；全密封防水防尘结构。

Adopting forging process and double-piston calipers; Ergonomic 2-finger handle, more suitable for assisting bicycles; Use high-quality electronic switches; Fully sealed waterproof and dust-proof structure.

长度 /Length	2 Fingers width
尺寸 /Size	Upper Pump L184mm W106mm H48mm Lower Pump L86mm W45.6mm H37.1mm
重量 /Weight	Upper pump 166g; lower pump 138g
防水 /Waterproof	IPX6
材料 /Material	Caliper/bracket: cast aluminum, lever: forge steel q235
芯线 /Wiring	2 Pins
电流 /Current	1A(MAX)
工作温度 /Operating Temperature	-20°C ~ 60°C
抗拉力 /Stretching Resistance	≥450N
耐用年限 /Durability	100,000 mating cycle



150PYDSZ+BS152 /

采用锻造工艺、双活塞卡钳；可旋转油管接头，方便安装；带驻车功能；选用优质电子开关；全密封防水防尘结构。

Forging process, double-piston caliper; Rotatable tubing joint for easy installation; Parking function; High-quality electronic switch selected; Fully sealed waterproof and dustproof structure.

长度 /Length	3 Fingers width
尺寸 /Size	Upper Pump L193mm W120mm H35mm Lower Pump L86mm W45.6mm H37.1mm
重量 /Weight	Upper pump 157g; lower pump 132g*2
防水 /Waterproof	IPX6
材料 /Material	Caliper/lever: forged aluminum, bracket: cast aluminum
芯线 /Wiring	2 Pins
电流 /Current	1A(MAX)
工作温度 /Operating Temperature	-20°C ~ 60°C
抗拉力 /Stretching Resistance	≥450N
耐用年限 /Durability	100,000 mating cycle



SEMI-HYDRAULIC DISC BRAKES

108PDD+KQ02 /

稳定的压铸生产工艺；带软垫把手，手感更舒适；优质机械开关，性能可靠。

Stable die-casting production process; With padded handle, more comfortable feel; High-quality mechanical switch, reliable performance.

长度 /Length	4 Fingers width
尺寸 /Size	L156mm W105mm H34mm
重量 /Weight	Upper pump 120g; lower pump 145g
防水 /Waterproof	IPX5
材料 /Material	Aluminum alloy
芯线 /Wiring	2 Pins
电流 /Current	1A(MAX)
工作温度 /Operating Temperature	-20°C ~ 60°C
抗拉力 /Stretching Resistance	≥450N
耐用年限 /Durability	100,000 mating cycle



ORIGINAL SPARE PARTS ADAPTER

160F-140R

重量 /Weight	14g	表面处理 /Surface Treatment	Sandblasting, oxidation
材料 /Material	Aluminum alloy 6061	安装尺寸 /Installation Size	51±0.1mm



180F-160R

重量 /Weight	15g	表面处理 /Surface Treatment	Sandblasting, oxidation
材料 /Material	Aluminum alloy 6061	安装尺寸 /Installation Size	51±0.1mm



180FP-160RP

重量 /Weight	14g	表面处理 /Surface Treatment	Sandblasting, oxidation
材料 /Material	Aluminum alloy 6061	安装尺寸 /Installation Size	74.2±0.1mm



180R

重量 /Weight	25g	表面处理 /Surface Treatment	Sandblasting, oxidation
材料 /Material	Aluminum alloy 6061	安装尺寸 /Installation Size	51±0.1mm



203R

重量 /Weight	29g	表面处理 /Surface Treatment	Sandblasting, oxidation
材料 /Material	Aluminum alloy 6061	安装尺寸 /Installation Size	51±0.1mm



203F

重量 /Weight	27g	表面处理 /Surface Treatment	Sandblasting, oxidation
材料 /Material	Aluminum alloy 6061	安装尺寸 /Installation Size	51±0.1mm



203P

重量 /Weight	23g	表面处理 /Surface Treatment	Sandblasting, oxidation
材料 /Material	Aluminum alloy 6061	安装尺寸 /Installation Size	74.2±0.1mm



ORIGINAL SPARE PARTS ROTORS

DP8-140

重量 /Weight	92g	颜色 /Color	Silver White Color
材料 /Material	2C13	安装尺寸 /Installation Size	44mm Screw Hole Pitch



DP3-160

重量 /Weight	128g	颜色 /Color	Silver White Color
材料 /Material	2C13	安装尺寸 /Installation Size	44mm Screw Hole Pitch



DP8-160

重量 /Weight	128g	颜色 /Color	Silver White Color
材料 /Material	2C13	安装尺寸 /Installation Size	44mm Screw Hole Pitch



DP3-180

重量 /Weight	155g	颜色 /Color	Silver White Color
材料 /Material	2C13	安装尺寸 /Installation Size	44mm Screw Hole Pitch



DP8-180

重量 /Weight	155g	颜色 /Color	Silver White Color
材料 /Material	2C13	安装尺寸 /Installation Size	44mm Screw Hole Pitch



DP3-203

重量 /Weight	192g	颜色 /Color	Silver White Color
材料 /Material	2C13	安装尺寸 /Installation Size	44mm Screw Hole Pitch



DP8-203

重量 /Weight	192g	颜色 /Color	Silver White Color
材料 /Material	2C13	安装尺寸 /Installation Size	44mm Screw Hole Pitch



ELECTRIC BRAKE LEVERS

200PHD /

稳定的压铸生产工艺；隐藏线设计风格；高分贝机械铃铛；优质线性霍尔开关，性能可靠。Stable die-casting production process; Hidden line design style; High-quality linear Hall switch with reliable performance.

标准 /Approval	RoHS
尺寸 /Size	L152.6mm W107.3mm H41mm
重量 /Weight	152g
防水 /Waterproof	IPX4
材料 /Material	Aluminum alloy
芯线 /Wiring	3 Pins
电压 /Voltage	Working voltage DC5V Output voltage 0.9-4.15V
工作温度 /Operating Temperature	-20°C~ 60°C
抗拉力 /Stretching Resistance	≥450N
耐用年限 /Durability	100,000 mating cycle



170PHD+LD06 /

稳定的压铸生产工艺；隐藏线设计风格；可独立安装的机械铃铛；优质线性霍尔开关，性能可靠。Stable die-casting production process; Hidden line design style; Mechanical bells that can be independently installed; High-quality linear Hall switches with reliable performance.

标准 /Approval	RoHS
尺寸 /Size	L150mm W100mm H60mm
重量 /Weight	130g
防水 /Waterproof	IPX5
材料 /Material	Aluminum alloy
芯线 /Wiring	3 Pins
电压 /Voltage	Working voltage DC5V Output voltage 0.9-4.15V
工作温度 /Operating Temperature	-20°C~ 60°C
抗拉力 /Stretching Resistance	≥450N
耐用年限 /Durability	100,000 mating cycle



170PHD+BS172 /

稳定的压铸生产工艺；隐藏断电线设计风格；优质线性霍尔开关，性能可靠。Stable die-casting production process; Hidden wire design style; High-quality linear Hall switch with reliable performance.

标准 /Approval	RoHS
尺寸 /Size	L150mm W100mm H34mm
重量 /Weight	120g
防水 /Waterproof	IPX5
材料 /Material	Aluminum alloy
芯线 /Wiring	3 Pins
电压 /Voltage	Working voltage DC5V Output voltage 0.9-4.15V
工作温度 /Operating Temperature	-20°C~ 60°C
抗拉力 /Stretching Resistance	≥450N
耐用年限 /Durability	100,000 mating cycle



ELECTRIC BRAKE LEVERS

188PHD /

锻造把手强度高；隐藏刹车线、断电线设计；优质线性霍尔开关，性能可靠。Forged handlebars have good strength; Hidden brake wire and broken wire design; High-quality linear Hall switch with reliable performance.

标准 /Approval	RoHS
尺寸 /Size	L116mm W113mm H46mm
重量 /Weight	130g
防水 /Waterproof	IPX7
材料 /Material	Aluminum alloy
芯线 /Wiring	3 Pins
电压 /Voltage	Working voltage DC5V Output voltage 0.9-4.15V
工作温度 /Operating Temperature	-20°C~ 60°C
抗拉力 /Stretching Resistance	≥450N
耐用年限 /Durability	100,000 mating cycle



168PDD /

25mm的刹车线有效行程；球头把手；无引线设计风格；优质机械开关，性能可靠。25mm brake wire effective stroke; Ball head handle; Leadless design style; High-quality mechanical switch with reliable performance.

标准 /Approval	RoHS
尺寸 /Size	L145mm W110mm H34mm
重量 /Weight	120g
防水 /Waterproof	IPX5
材料 /Material	Aluminum alloy
芯线 /Wiring	2 Pins
电流 /Current	1A(MAX)
工作温度 /Operating Temperature	-20°C~ 60°C
抗拉力 /Stretching Resistance	≥450N
耐用年限 /Durability	100,000 mating cycle



108PDD/4 /

稳定的压铸生产工艺；带软垫把手，手感更舒适；机械驻车功能；优质机械开关，性能可靠。Stable die-casting production process; With padded handle, more comfortable feel; Mechanical parking function; High-quality mechanical switch, reliable performance.

标准 /Approval	RoHS
尺寸 /Size	L170mm W105mm H34mm
重量 /Weight	125g
防水 /Waterproof	IPX6
材料 /Material	Aluminum alloy
芯线 /Wiring	2 Pins
电流 /Current	1A(MAX)
工作温度 /Operating Temperature	-20°C~ 60°C
抗拉力 /Stretching Resistance	≥450N
耐用年限 /Durability	100,000 mating cycle



ELECTRIC BRAKE LEVERS

112PDD /

稳定的压铸生产工艺；超长把手；优质机械开关，性能可靠。
Stable die-casting production process; Long handle; High-quality mechanical switch with reliable performance.

标准 /Approval	RoHS
尺寸 /Size	L170mm W102mm H34mm
重量 /Weight	115g
防水 /Waterproof	IPX5
材料 /Material	Aluminum alloy
芯线 /Wiring	2 Pins
电流 /Current	1A(MAX)
工作温度 /Operating Temperature	-20°C~ 60°C
抗拉力 /Stretching Resistance	≥450N
耐用年限 /Durability	100,000 mating cycle



124PDD /

稳定的压铸生产工艺；硬朗、小巧的设计风格；美观的滚花调节螺钉；优质机械开关，性能可靠。
Stable die-casting production process; Tough and compact design style; Beautiful knurled adjusting screw; High-quality mechanical switch with reliable performance.

标准 /Approval	RoHS
尺寸 /Size	L136mm W90mm H34mm
重量 /Weight	120g
防水 /Waterproof	IPX6
材料 /Material	Aluminum alloy
芯线 /Wiring	2 Pins
电流 /Current	1A(MAX)
工作温度 /Operating Temperature	-20°C~ 60°C
抗拉力 /Stretching Resistance	≥450N
耐用年限 /Durability	100,000 mating cycle



139PDD+BS185.A /

稳定的压铸生产工艺；经典的流线型设计风格；优质机械开关，性能可靠。
Stable die-casting production process; Classic streamline design style; High-quality mechanical switch with reliable performance.

尺寸 /Size	182.9mm W109.1mm H30.5mm
重量 /Weight	120g
防水 /Waterproof	IPX5
材料 /Material	Aluminum alloy
芯线 /Wiring	2 Pins
电流 /Current	0.5A60V
工作温度 /Operating Temperature	-20°C~ 60°C
抗拉力 /Stretching Resistance	≥450N
耐用年限 /Durability	100,000 mating cycle



ELECTRIC BRAKE LEVERS

106PDD.A /

稳定的压铸生产工艺；经典的流线型设计风格；优质机械开关，性能可靠。
Stable die-casting production process; Classic streamline design style; High-quality mechanical switch with reliable performance.

标准 /Approval	RoHS
尺寸 /Size	L 156mm W 102mm H 34mm
重量 /Weight	125g
防水 /Waterproof	IPX5
材料 /Material	Aluminum alloy
芯线 /Wiring	2 Pins
电流 /Current	1A(MAX)
工作温度 /Operating Temperature	-20°C ~ 60°C
抗拉力 /Stretching Resistance	≥450N
耐用年限 /Durability	100,000 mating cycle



108PDD.A /

稳定的压铸生产工艺；带软垫把手，手感更舒适；优质机械开关，性能可靠。
Stable die-casting production process; With padded handle, more comfortable feel; High-quality mechanical switch, reliable performance.

标准 /Approval	RoHS
尺寸 /Size	L 156mm W 105mm H 34mm
重量 /Weight	120g
防水 /Waterproof	IPX6
材料 /Material	Aluminum alloy
芯线 /Wiring	2 Pins
电流 /Current	1A(MAX)
工作温度 /Operating Temperature	-20°C ~ 60°C
抗拉力 /Stretching Resistance	≥450N
耐用年限 /Durability	100,000 mating cycle



108P/2.A /

稳定的压铸生产工艺；后视镜孔安装设计；优质机械开关，性能可靠。
Stable die-casting production process; Rear-view mirror hole installation design; High-quality mechanical switch with reliable performance.

标准 /Approval	RoHS
尺寸 /Size	L 156mm W 102mm H 34mm
重量 /Weight	131g
防水 /Waterproof	IPX5
材料 /Material	Aluminum alloy
芯线 /Wiring	2 Pins
电流 /Current	1A(MAX)
工作温度 /Operating Temperature	-20°C ~ 60°C
抗拉力 /Stretching Resistance	≥450N
耐用年限 /Durability	100,000 mating cycle



ELECTRIC BRAKE LEVERS

47PDD/2+BS63.A /

稳定的压铸生产工艺；经典的流线型设计风格；优质机械开关，性能可靠。Stable die-casting production process; Classic streamline design style; High-quality mechanical switch with reliable performance.

尺寸 /Size	L168.7mm W117.3mm H31mm
重量 /Weight	108g
防水 /Waterproof	IPX5
材料 /Material	Aluminum alloy
芯线 /Wiring	2 Pins
电流 /Current	0.5A60V
工作温度 /Operating Temperature	-20°C~ 60°C
抗拉力 /Stretching Resistance	≥450N
耐用年限 /Durability	100,000 mating cycle



ELECTRIC BRAKE LEVERS

123PDD/2+BS157.A /

稳定的压铸生产工艺；经典的流线型设计风格；优质机械开关，性能可靠。Stable die-casting production process; Classic streamline design style; High-quality mechanical switch with reliable performance.

尺寸 /Size	L183.3mm W117.6mm H39mm
重量 /Weight	139g
防水 /Waterproof	IPX5
材料 /Material	Aluminum alloy
芯线 /Wiring	2 Pins
电流 /Current	0.5A60V
工作温度 /Operating Temperature	-20°C~ 60°C
抗拉力 /Stretching Resistance	≥450N
耐用年限 /Durability	100,000 mating cycle



67PDD/3+BS68 /

稳定的压铸生产工艺；经典的流线型设计风格；优质机械开关，性能可靠。Stable die-casting production process; Classic streamline design style; High-quality mechanical switch with reliable performance.

尺寸 /Size	L160.6mm W110.4mm H31mm
重量 /Weight	118g
防水 /Waterproof	IPX5
材料 /Material	Aluminum alloy
芯线 /Wiring	2 Pins
电流 /Current	0.5A60V
工作温度 /Operating Temperature	-20°C~ 60°C
抗拉力 /Stretching Resistance	≥450N
耐用年限 /Durability	100,000 mating cycle



115PDD+BS143.A /

稳定的压铸生产工艺；经典的流线型设计风格；优质机械开关，性能可靠。Stable die-casting production process; Classic streamline design style; High-quality mechanical switch with reliable performance.

尺寸 /Size	L182.7mm W110.4mm H31mm
重量 /Weight	116.g
防水 /Waterproof	IPX5
材料 /Material	Aluminum alloy
芯线 /Wiring	2 Pins
电流 /Current	0.5A60V
工作温度 /Operating Temperature	-20°C~ 60°C
抗拉力 /Stretching Resistance	≥450N
耐用年限 /Durability	100,000 mating cycle



DIRECTION INDICATORS

ZXD002 /

专为滑板车设计的转向灯，造型小巧精致；
 两种支架可以选择，灵活搭配，满足不同安装需求；
 采用光导设计，获得均匀透光的导光效果；
 闪烁和常亮两个模式可选，常亮模式可以通过 E- mark 认证；
 （注：前转向灯距离近光前照灯不小于 75mm）。
 Turn signal specially designed for scooter, small and exquisite shape;
 Two kinds of brackets can be selected and matched flexibly to meet different installation needs;
 Adopt light guide design to obtain uniform light guide effect;
 Two modes of blinking and constant light are available. The constant light mode can be certified by E-mark;
 (Note: The front turn signal is not less than 75mm away from the low beam headlight).

标准 /Approval	E-Mark (Constant light mode)
尺寸 /Size	L56mm W70mm H60mm (ZJ005)
	L56mm W64mm H40mm (ZJ006)
重量 /Weight	43g (ZJ005) 49g (ZJ006)
材料 /Material	SUS304 PMMC PC+ABS ABS
芯线 /Wiring	2 Pins
防水 /Waterproof	IPX4
功率 /Power	1.8W
电压 /Voltage	DC 12V
光源类型 /Light Source	LED

ECE

NEW



HEAD LIGHTS /

BRACKET SELECTION

 <p>ZJ005</p>	 <p>使用可内部走线的把横管时，完全 隐藏线路。 When using a handlebar tube that can be routed internally, the line is completely hidden.</p>	 <p>使用普通把横管时，外部走线 灵活搭配。 When When using a common handlebar tube, the external wiring is flexible.</p>
 <p>ZJ006</p>	 <p>选用刹把 BS170，配合可内部走线管可以完全隐藏线路，也可搭配其他刹把使用，选配普通管，外置走线。 Select Wuxing brake lever BS170 with internal cable management Can completely hide the line Can also be used with other brake levers, optional ordinary tube, external wiring</p>	 <p>转向灯可以根据刹把实际安装情况调节角度。 The turn signal can adjust the angle according to the actual installation of the brake lever.</p>

HEAD LIGHTS

QD260 /

符合 GB、E-Mark CLASS-B; 经典外观设计、全铝外壳; 采用反射式自由曲面灯杯配光及驱动程序优化的照明系统、光线稳定; 侧向透光, 10 米处中心照度可达 80Lux 以上、适用于电助力车及高速 E-BIKE; 反光片快速拆装设计。

Compliant with GB, E-Mark CLASS-B; Classic design, all-aluminum shell; Using a reflective free-form lamp cup with light distribution and driver optimized lighting system, stable light; Side light transmission, the central illuminance at 10 meters can reach 80Lux or more, suitable for electric mopeds and high-speed E-BIKE; Quick disassembly and assembly design of reflectors.

标准 /Approval	GB/T 31887.1-2019, E-Mark CLASS-B
尺寸 /Size	L 55mm W 47mm H 47mm
重量 /Weight	120g
材料 /Material	PC+ABS
芯线 /Wiring	2 Pins
防水 /Waterproof	IPX4
功率 /Power	5W
电压 /Voltage	DC 6-48V
中心照度 /Center Luminance	80LUX
光源类型 /Light Source	LED



QD228 /

带日行灯和喇叭功能, 透镜式配光, 搭配高功率 LED 光源, 采用了铝外壳散热, 避免元件过热以及 LED 的光衰问题。安装支架通过 72 小时盐雾测试, 固定方式简便、可靠, 角度可调节, 可搭配多种车型。

With daytime running light and horn function, lens-type light distribution, and high-power LED light source, adopts aluminum case to dissipate heat, avoiding component overheating and LED light decay problem. The mounting bracket has passed the 72-hour salt spray test. The fixing method is simple and reliable, and the angle can be adjusted to match a variety of models.

标准 /Approval	E-Mark CLASS-A / GB 22791-2008
尺寸 /Size	L73.5mm W60mm H73.5mm
重量 /Weight	95g
材料 /Material	PC+ABS+AL
芯线 /Wiring	4 Pins
防水 /Waterproof	IPX4
喇叭 /Horn	85±5dB
功率 /Power	2.5W
电压 /Voltage	DC 12V/36-48V
中心照度 /Center Luminance	20LUX
光源类型 /Light Source	LED



HEAD LIGHTS

QD240 /

采用了铝制散热原件, 将 LED 工作时的热量导出, 避免元器件过热以及 LED 的光衰问题; 反光片可自主选择是否搭配, 满足更多需求; 不锈钢支架, 长达 3 年不会生锈。

Using the original aluminum heat, when the heat LED operating derived, to avoid overheating and component failure problems LED light; Sheeting can choose whether to mix, to meet the increased demand; Stainless steel frame, up to 3 years will not rust.

标准 /Approval	CE / GB 22791-2008
尺寸 /Size	L55mm W47mm H43mm(Without bracket)
重量 /Weight	56g
材料 /Material	PC+ABS
芯线 /Wiring	2 Pins
防水 /Waterproof	IPX4
功率 /Power	1.8W
电压 /Voltage	DC 6-48V
中心照度 /Center Luminance	25LUX
光源类型 /Light Source	LED



QD213-2 /

灯杯式配光, 搭配高功率 LED 光源, 采用了铝制散热元件, 避免元器件过热以及高功率 LED 的光衰问题。安装支架通过 72 小时盐雾测试, 固定方式简便、可靠, 角度可调节, 可搭配多种车型。

Lamp-type light distribution, with high-power LED light source, adopts aluminum heat-dissipating components to avoid overheating of components and light attenuation problems of high-power LEDs. The mounting bracket has passed the 72-hour salt spray test. The fixing method is simple and reliable. The angle can be adjusted to match a variety of models.

标准 /Approval	CE / GB 22791-2008
尺寸 /Size	L49mm W52mm H53mm(Without bracket)
重量 /Weight	60g
材料 /Material	PC+ABS+PMMA
芯线 /Wiring	2 Pins
防水 /Waterproof	IPX4
功率 /Power	1.8W
电压 /Voltage	AC 6V ; DC 6-48V
中心照度 /Center Luminance	30LUX
光源类型 /Light Source	LED



HEAD LIGHTS

QD197 /

灯杯式配光，搭配高功率 LED 光源，采用了铝制散热元件，避免元器件过热以及高功率 LED 的光衰问题。安装支架通过 72 小时盐雾测试，固定方式简便、可靠，角度可调节，可搭配多种车型。

Lamp-type light distribution, with high-power LED light source, adopts aluminum heat-dissipating components to avoid overheating of components and light attenuation problems of high-power LEDs. The mounting bracket has passed the 72-hour salt spray test. The fixing method is simple and reliable. The angle can be adjusted to match a variety of models.

标准 /Approval	StVZO
尺寸 /Size	L46mm W49mm H65mm
重量 /Weight	56g
材料 /Material	PC+ABS+PMMA
芯线 /Wiring	2 Pins
防水 /Waterproof	IPX4
功率 /Power	1.8W
电压 /Voltage	AC 6V ; DC 6-48V
中心照度 /Center Luminance	30LUX
光源类型 /Light Source	LED

W W W K



QD252 /

按照新国标配光要求，反光片可自主选择是否搭配，满足更多需求；采用高分贝陶瓷蜂鸣片，专用的驱动芯片，输出更稳定、悦耳的音质；不锈钢或喷塑支架，长达 3 年不会生锈。

According to the new national standard light distribution requirements, reflectors can choose whether to match or not to meet more needs; High-decibel ceramic buzzer and dedicated driver chip are used to output more stable and pleasing sound quality; Stainless steel or plastic-sprayed bracket will not rust for 3 years.

标准 /Approval	CE / GB 22791-2008
尺寸 /Size	L66mm W53mm H54mm(Without bracket)
重量 /Weight	90g
材料 /Material	PC+ABS
芯线 /Wiring	3 Pins
防水 /Waterproof	IPX4
喇叭 /Horn	85±5dB
功率 /Power	2W
电压 /Voltage	DC 12-48V
中心照度 /Center Luminance	25LUX
光源类型 /Light Source	LED

CE GB



HEAD LIGHTS

QD199 /

按照新国标配光要求，采用光学透镜；采用高功率 LED 光源，在十米距离处光斑最大照度达到 20Lux。专用的驱动芯片，输出更稳定、悦耳的音质。可选择不锈钢或电泳黑支架。

According to the new national standard light distribution requirements, optical lenses are used; high-power LED light sources are used, and the maximum spot illumination at a distance of ten meters reaches 20 Lux. Dedicated driver chip for more stable and pleasant sound quality. Choice of stainless steel or electrophoretic black bracket.

标准 /Approval	GB 22791-2008
尺寸 /Size	L 75mm W 56mm H 69.2mm
重量 /Weight	65g
材料 /Material	PMMA+ABS
芯线 /Wiring	3 Pins
防水 /Waterproof	IPX4
喇叭 /Horn	85±5dB
功率 /Power	2.4W
电压 /Voltage	DC 12-80V
中心照度 /Center Luminance	20LUX
光源类型 /Light Source	LED

GB



QD266 /

外形硬朗、时尚；适用助力车、折叠车、滑板车等；采用光学级 PMMA 透镜配光，汽车级高功率 LED；装配于车辆立管（适合外径 44-55mm），带喇叭功能。

The appearance is tough and fashionable; It is suitable for electric mopeds, folding bikes, scooters, etc ; It uses optical PMMA lens to distribute light and automotive-grade high-power LED; Assembled on vehicle standpipe (suitable for outer diameter 44-55mm), with horn function.

标准 /Approval	GB 22791-2008
尺寸 /Size	L73.8mm W45.9mm H90.3mm
重量 /Weight	84g
材料 /Material	PVC+ABS+PMMA
芯线 /Wiring	3 Pins
防水 /Waterproof	IPX4
喇叭 /Horn	85±5dB
功率 /Power	2.2W
电压 /Voltage	DC 12-48V
中心照度 /Center Luminance	15LUX
光源类型 /Light Source	LED

GB



HEAD LIGHTS

QD139-2 /

采用高功率 LED 光源，在十米距离处光斑最大照度达到 30Lux。专用的驱动芯片，输出更稳定、悦耳的音质。可选择不锈钢或电泳黑支架。
Using high-power LED light source, the maximum illuminance of the light spot at a distance of ten meters reaches 30 Lux. Dedicated driver chip for more stable and pleasant sound quality. Choice of stainless steel or electrophoretic black bracket.

尺寸 /Size	L 63mm W 66mm H 52mm
重量 /Weight	85g
材料 /Material	PC+ABS
芯线 /Wiring	3 Pins
防水 /Waterproof	IPX4
喇叭 /Horn	85±5dB
功率 /Power	2.4W
电压 /Voltage	DC 12-80V
中心照度 /Center Luminance	30LUX
光源类型 /Light Source	LED



QD236 /

采用高功率 LED 光源，在十米距离处光斑最大照度达到 30Lux。专用的驱动芯片，输出更稳定、悦耳的音质。可选择不锈钢或电泳黑支架。
Using high-power LED light source, the maximum illuminance of the light spot at a distance of ten meters reaches 30 Lux. Dedicated driver chip for more stable and pleasant sound quality. Choice of stainless steel or electrophoretic black bracket.

尺寸 /Size	L66mm W52mm H71mm (Without bracket)
重量 /Weight	85g
材料 /Material	PC+ABS
芯线 /Wiring	3 Pins
防水 /Waterproof	IPX4
喇叭 /Horn	85±5dB
功率 /Power	2.4W
电压 /Voltage	DC 12-80V
中心照度 /Center Luminance	30LUX
光源类型 /Light Source	LED



HEAD LIGHTS

QD151 /

透镜式配光方式，搭配高功率 LED 光源，在十米距离处光斑最大照度达到 20Lux，安装支架通过 72 小时盐雾测试，安装简便。角度可调节，可搭配不同车架。

Lens-type light distribution, with high-power LED light source, the maximum illuminance of the spot at a distance of ten meters reaches 20 Lux, and the mounting bracket has passed the 72-hour salt spray test for easy installation. The angle can be adjusted to match different frames.

尺寸 /Size	L69mm W39mm H60mm
重量 /Weight	80g
材料 /Material	PC+ABS
芯线 /Wiring	3 Pins
防水 /Waterproof	IPX4
喇叭 /Horn	85±5dB
功率 /Power	2.4W
电压 /Voltage	DC 12-80V
中心照度 /Center Luminance	20LUX
光源类型 /Light Source	LED



QD238 /

灯杯式配光，搭配高功率 LED 光源，采用了 2 节 AAA 碱性电池供电，安装支架通过 72 小时盐雾测试，固定方式简便、可靠，角度可调节，可搭配多种车型。

cup-type light distribution, with high-power LED light source, using 2 AAA alkaline batteries to power. The mounting bracket has passed the 72-hour salt spray test. It has a delicate appearance and good weather resistance. The angle can be adjusted to match a variety of models with different frame geometries.

尺寸 /Size	L44mm W52mm H85mm(Without bracket)
重量 /Weight	55g
材料 /Material	PC+ABS
是否带低电量显示 W or w/o low battery indication	Yes
是否带开关 W or w/o low battery	Yes
防水 /Waterproof	IPX5
电压 /Voltage	2XAAA
中心照度 /Center Luminance	7LUX
光源类型 /Light Source	LED



HEAD LIGHTS

MAIN FEATURES

Round, stylish, and fully in line with the new national standard certification of the basket lights, using dual lenses with reflective film design; When the ambient brightness changes, the integrated light sensing device in the lamp can be very sensitive to respond to the corresponding switch; Meet the national standard GB/T 31887.1-2019, and meet the wide-angle requirements; Integrated design of the lampshade and lens, ultrasonic welding with the lamp holder, waterproof grade IPX4.

外形圆润、时尚，完全符合新国标认证的网篮灯，采用双透镜搭配反光片设计；当环境亮度改变时，灯内集成的感光装置可以非常灵敏的做出相应的开关灯反应；反射器满足国标 GB/T 31887.1-2019，且满足广角要求；灯罩与透镜一体式设计，与灯座超声波焊接，防水等级达到 IPX4。

QD302 /

标准 /Approval	GB/T 31887.1-2019
尺寸 /Size	L 124mm W 61.8mm H 104mm
重量 /Weight	133.5g
材料 /Material	ABS+PMMA+PC
芯线 /Wiring	2 Pins
防水 /Waterproof	IPX4
功率 /Power	1.5W
电压 /Voltage	DC 6-48V
中心照度 /Center Luminance	25LUX
光源类型 /Light Source	LED



QD320 /

标准 /Approval	GB/T 31887.1-2019
尺寸 /Size	L 126mm W 72mm H 81.5mm
重量 /Weight	173.5g
材料 /Material	ABS+PMMA+PC
芯线 /Wiring	3 Pins
防水 /Waterproof	IPX4
喇叭 /Horn	95±5dB
功率 /Power	2W
电压 /Voltage	DC 12-48V
中心照度 /Center Luminance	25LUX
光源类型 /Light Source	LED



HEAD LIGHTS

QD262 /

双透镜功能的网篮灯，高分子密封胶密封，防水和防尘达 IP67；可搭配不同类型的车网篮，固定方式简单，安装后可调节角度，对应前方的照射距离远近。

Double-lens function basket light, polymer sealant sealed, waterproof and dust-proof up to IP67; Can be used with different types of car baskets, simple fixing method, adjustable angle after installation, corresponding to the distance of front exposure.

标准 /Approval	GB 22791-2008
尺寸 /Size	L44mm W63mm H40mm
重量 /Weight	46g
材料 /Material	PC+ABS
芯线 /Wiring	2 Pins
防水 /Waterproof	IP67
功率 /Power	1.5W
电压 /Voltage	DC 36-48V; 6V
中心照度 /Center Luminance	15LUX
光源类型 /Light Source	LED












QD286 /

是一款透镜式配光的 LED 滑板车前灯；拥有一套优化的散热系统，确保正常使用时产品快速散热；搭配高功率 LED，获得的清晰的圆形光斑。It is a lens type LED scooter headlight; Has an optimized cooling system to ensure that the product quickly dissipates heat during normal use; Clear round spot with high power LED.

尺寸 /Size	L40mm W40mm H31mm
重量 /Weight	56g
材料 /Material	ABS+PMMA
芯线 /Wiring	2 Pins
防水 /Waterproof	IPX4
功率 /Power	1.6W
电压 /Voltage	DC 5V
中心照度 /Center Luminance	20LUX
光源类型 /Light Source	LED



BRACKET SELECTION

BRACKET MODEL	QD115-2 BRACKET	QD151 BRACKET	QD197 LONG BRACKET	QD197 SHORT BRACKET	ZJ002	ZJ001	QD113 BASKET LIGHTS BRACKET	QD302 BASKET LIGHTS BRACKET	QD262 BASKET LIGHTS BRACKET
LIGHT MODEL									
QD139-2	•	•				•			
QD151	•	•				•			
QD197			•	•	•	•			
QD199	•	•				•			
QD213-2			•	•	•	•			
QD228	•	•							
QD236	•	•				•			
QD238			•	•	•	•			
QD240			•	•	•	•			
QD252	•	•				•			
QD260			•	•	•	•			
QD262						•		•	
QD302							•	•	
QD320							•		



TAIL LIGHTS /

TAIL LIGHTS

WD300 /

外观时尚，弯月形位置灯，美观同时提供优良警示作用；高亮度红色刹车灯，骑行更安全；全密封防水设计，更加安全可靠；集位置灯、刹车灯和牌照灯于一体。

Stylish appearance, meniscus-shaped position light, beautiful and provide excellent warning; High-brightness red brake light, safer riding; Fully sealed waterproof design, more secure and reliable; Set position light, brake light and license plate light in one.

标准 /Approval	CE / E-Mark / GB 22791-2008
尺寸 /Size	L120mm W60mm H35mm
重量 /Weight	92g
防水 /Waterproof	IPX4
材料 /Material	PC+ABS
装配 /Assemble Dimension	50/80mm
电压 /Voltage	DC 12V/36-48V
功率 /Power	ECE:4.5W GB:3W
光源类型 /Light Source	LED



WD216 /

带智能刹车高亮 (DC 6V 版), 高功率 LED 提供光源, 配置精密光导条; 全密封防水设计, 更加安全可靠。

With intelligent brake highlight (DC 6V version), high power LED provides light source, equipped with precision light guide strip; Fully sealed waterproof design, more secure and reliable.

标准 /Approval	CE/StVZO/ECE/GB/T 31887.1-2019
尺寸 /Size	L90mm W40mm H16mm
重量 /Weight	46g
防水 /Waterproof	IPX4
材料 /Material	PMMA+ABS
装配 /Assemble Dimension	50mm
电压 /Voltage	AC6V/DC6-48V/DC6V
功率 /Power	0.5W
光源类型 /Light Source	LED



TAIL LIGHTS

WD312 /

单套大功率 LED 光源、导光条设计通过精确的光学设计, 均匀的透射光波导经 Z 批准的 Integrated 反射镜, 遵守 GB/T 31887.1-2019 符合 ISO 6742-2015, 220° 超宽可视角度。

The single set of high-power LED light source and light guide bar design through precise optical design, uniform transmission light guide approved by Z Integrated reflector, comply with GB/T 31887.1-2019 conform to ISO 6742-2015, 220° super wide viewing angle.

标准 /Approval	CE / GB/T 31887.1-2019
尺寸 /Size	L100mm W47mm H34mm
重量 /Weight	42g
防水 /Waterproof	IPX4
材料 /Material	PMMA+ABS
装配 /Assemble Dimension	50/80mm
电压 /Voltage	AC6V/DC6-12V
功率 /Power	0.6W
光源类型 /Light Source	LED



WD220 /

三组高功率 LED 提供光源, 配置精密光导条; 全密封防水设计, 更加安全可靠; 集位置灯、转向灯于一体, 功能强大。

Three sets of high-power LEDs provide light sources and are equipped with precision light guide strips; Fully sealed waterproof design, more secure and reliable; Set position light and turn signal in one, powerful.

标准 /Approval	CE / GB/T 31887.1-2019
尺寸 /Size	L95mm W45mm H19mm
重量 /Weight	46g
防水 /Waterproof	IPX4
材料 /Material	PMMA+ABS
装配 /Assemble Dimension	50mm
电压 /Voltage	2*AAA Dry Battery; AC 6V ; DC 6-48V ; 36-48V
功率 /Power	0.6W
光源类型 /Light Source	LED



TAIL LIGHTS

WD430 /

符合 StVZO、GB 标准的自行车、滑板车泥板尾灯，直流电源供电；LED 光源，辅以全密封结构，产品 IPX4 的防尘防水能力；采用优质模具钢材及高精度工艺，确保塑件配合精度及表面皮纹及细节优良
Bicycles and scooters that meet the StVZO and GB standards; The taillights are powered by DC power; The LED light source is supplemented by a fully sealed structure. The product is IPX4 dustproof and waterproof; It uses high-quality mold steel and high-precision technology to ensure the precision of plastic components excellent surface texture and detail.

标准 /Approval	GB/T 31887.1-2019
尺寸 /Size	L40mm W46mm H35mm
重量 /Weight	24g
防水 /Waterproof	IPX4
材料 /Material	ABS+PMMA
装配 /Assemble Dimension	Rear fender mounting
电压 /Voltage	DC 6-48V
功率 /Power	0.7W
光源类型 /Light Source	LED



WD242 /

符合 GB 标准的自行车泥板尾灯，直流电源供电；LED 光源，辅以全密封结构，产品 IPX4 的防尘防水能力；采用优质模具钢材及高精度工艺，确保塑件配合精度及表面皮纹及细节优良
Bike mud pad tail lamp that complies with GB standards, DC power supply; LED light source, supplemented by a fully sealed structure, IPX4 dust and water resistance; High-quality mold steel and high-precision technology to ensure the precision of plastic parts and surface texture and details excellent.

标准 /Approval	CE / GB 22791-2008
尺寸 /Size	L29mm W60mm H43mm
重量 /Weight	53g
防水 /Waterproof	IPX4
材料 /Material	PC+ABS
装配 /Assemble Dimension	Rear fender mounting
电压 /Voltage	DC 6-48V
功率 /Power	0.5W
光源类型 /Light Source	LED



TAIL LIGHTS

WD400 /

外观时尚，“U”形位置灯，美观同时提供优良警示作用；高亮度红色刹车灯，骑行更安全，左、右转向灯一体式设计；全密封防水设计，更加安全可靠；集位置灯、刹车灯、左、右转向灯和牌照灯于一体。
Stylish appearance, "U"-shaped position light, beautiful and provide excellent warning effect; High-brightness red brake lights, safer riding, integrated design of left and right turn signals; Fully sealed waterproof design, more secure and reliable; Set position lights, brake lights, left and right turn lights and license plate lights in one.

标准 /Approval	GB 22791-2008
尺寸 /Size	L142mm W50mm H35mm
重量 /Weight	107g
防水 /Waterproof	IPX4
材料 /Material	PC+ABS+PMMA
装配 /Assemble Dimension	50/80mm
电压 /Voltage	DC 36-48V
功率 /Power	3.9W
光源类型 /Light Source	LED



WD186 /

高亮度红色环状刹车灯，为骑行提供安全可靠的预警提示；全密封防水设计，更加安全可靠；集位置灯、刹车灯和转向灯于一体。
High-brightness red ring brake light, providing safe and reliable warning tips for riding; Fully sealed waterproof design, more secure and reliable; Set position light, brake light and turn signal in one.

标准 /Approval	GB 22791-2008
尺寸 /Size	L124mm W32mm H52mm
重量 /Weight	105g
防水 /Waterproof	IPX4
材料 /Material	PMMA+ABS
装配 /Assemble Dimension	50mm/80mm Optional
电压 /Voltage	DC 36V/48V Optional
功率 /Power	2.5W
光源类型 /Light Source	LED



WD113 /

外形时尚，透镜式效果，美观同时提供优良警示作用。
Stylish appearance, lens-like effect, beautiful appearance and provide excellent warning effect.

尺寸 /Size	L46mm W49mm H65mm
重量 /Weight	56g
防水 /Waterproof	IPX4
材料 /Material	ABS+PMMA
装配 /Assemble Dimension	50mm
电压 /Voltage	36V or 48V
功率 /Power	0.5W
光源类型 /Light Source	LED



TAIL LIGHTS

WD128/2 /

外形硬朗、时尚，行车灯设计为折线导光条效果，美观同时提供优良警示作用；高亮度刹车灯，具备智能警示功能；全密封防水设计，更加安全可靠；集位置灯、转向灯和刹车灯于一体。

The appearance is tough and stylish, and the driving lights are designed with the effect of a broken line light guide, which is beautiful and provides an excellent warning effect; High brightness brake light with intelligent warning function; Fully sealed waterproof design, more secure and reliable; Set position light, turn signal and brake light in one.

尺寸 /Size	L124mm W32mm H52mm
重量 /Weight	105g
防水 /Waterproof	IPX4
材料 /Material	PMMA+ABS
装配 /Assemble Dimension	50mm/80mm Optional
电压 /Voltage	DC 36V/48V Optional
功率 /Power	2.5W
光源类型 /Light Source	LED



WD185 /

外形时尚，小巧，装配于滑板车后泥板。

Stylish appearance, compact, assembled on the back of the scooter.

尺寸 /Size	L40mm W17.8mm H35mm
防水 /Waterproof	IPX3
材料 /Material	ABS+PMMA
装配 /Assemble Dimension	20mm
电压 /Voltage	DC 5V
功率 /Power	0.2W
光源类型 /Light Source	LED



WD226 /

外形时尚，小巧，装配于滑板车后泥板。


Stylish appearance, compact, assembled on the back of the scooter.


尺寸 /Size	L63.7mm W15.7mm H13mm
重量 /Weight	46g
防水 /Waterproof	IPX4
材料 /Material	PC
装配 /Assemble Dimension	卡扣式 /Clip-on
电压 /Voltage	DC 48V
功率 /Power	2W
光源类型 /Light Source	LED



BRACKET SELECTION

ZJ004 /

BRACKET MODEL	TAILLIGHTS MODEL	WD220	WD216	WD312
		●	●	●



用于尾灯和自行车座杆的固定，安装方便快捷，让夜间骑行更加安全。
适配安装孔距 50mm 的尾灯

It is used to fix taillights and bicycle seatposts. It is convenient and quick to install, making night riding safer.
Suitable for taillights with mounting hole distance 50mm



安装说明

1. 首先把 A 固定在自行车座杆（根据座杆口径选择合适的硅胶垫圈）；
2. 把 B 使用螺丝连接到 A；
3. 把尾灯用螺母与 B 固定，安装完成。

Adjust the angle

Installation Notes

1. First fix A to the bicycle seatpost (Select the appropriate silicone gasket according to the diameter of the seat post);
2. Connect B to A using screws;
3. Fix the tail lamp with B by nuts, and the installation is completed.



CONNECTORS /

CONNECTOR SPECIFICATION 接插件型号规格一览表

1F401 /

规格 /Specification	φ 6×0.2×7
尺寸 /Size	50×14×13



1F501 /

规格 /Specification	φ 6×0.2×7
尺寸 /Size	50×20×13



2F401 /























规格 /Specification	φ 6×0.2×7 φ 4×0.2×3
尺寸 /Size	50×14×13



2F501 /














规格 /Specification	φ 6×0.2×7 φ 3.2×0.2×3
尺寸 /Size	50×20×13



防水接头(公端) Waterproof plug (Male)			防水接头(母端) Waterproof plug (Female)		
M020301			F020301		
	2 pins			2 pins	
	线缆规格 Cable specification	φ 3.2×0.2×2		线缆规格 Cable specification	φ 3.2×0.2×2
	尺寸 Size	18×9×6.5		尺寸 Size	22×9×6.5
	3 pins			3 pins	
	线缆规格 Cable specification	φ 3.2×0.2×3		线缆规格 Cable specification	φ 3.2×0.2×3
	尺寸 Size	18×9×6.5		尺寸 Size	22×9×6.5
M040601			F040601		
	4 pins			4 pins	
	线缆规格 Cable specification	φ 4×0.2×4		线缆规格 Cable specification	φ 4×0.2×4
	尺寸 Size	20×10×7.5		尺寸 Size	25×10×7.5
	5 pins			5 pins	
	线缆规格 Cable specification	φ 4×0.2×5		线缆规格 Cable specification	φ 4×0.2×5
	尺寸 Size	20×10×7.5		尺寸 Size	25×10×7.5
	6 pins			6 pins	
	线缆规格 Cable specification	φ 4×0.2×6		线缆规格 Cable specification	φ 4×0.2×6
	尺寸 Size	20×10×7.5		尺寸 Size	25×10×7.5
M070801			F070801		
	7 pins			7 pins	
	线缆规格 Cable specification	φ 4×0.2×7		线缆规格 Cable specification	φ 4×0.2×7
	尺寸 Size	22×11×10		尺寸 Size	28×11×10
	8 pins			8 pins	
	线缆规格 Cable specification	φ 4×0.2×8		线缆规格 Cable specification	φ 4×0.2×8
	尺寸 Size	22×11×10		尺寸 Size	28×11×10
M091201			F091201		
	9 pins			9 pins	
	线缆规格 Cable specification	φ 4.5×0.2×9		线缆规格 Cable specification	φ 4.5×0.2×9
	尺寸 Size	22×13×9.5		尺寸 Size	28×13×9.5
	10 pins			10 pins	
	线缆规格 Cable specification	φ 4.5×0.2×10		线缆规格 Cable specification	φ 4.5×0.2×10
	尺寸 Size	22×13×9.5		尺寸 Size	28×13×9.5
	11 pins			11 pins	
	线缆规格 Cable specification	φ 6×0.2×11		线缆规格 Cable specification	φ 6×0.2×11
	尺寸 Size	22×13×9.5		尺寸 Size	28×13×9.5
	12 pins			12 pins	
	线缆规格 Cable specification	φ 6×0.2×12		线缆规格 Cable specification	φ 6×0.2×12
	尺寸 Size	22×13×9.5		尺寸 Size	28×13×9.5












CONNECTOR SPECIFICATION

接插件型号规格一览表

接插件塑料座规格 (Plastic stand specification)			
序号	产品类别代号	示意图	标准型号
1	DJ70		DJ7021A-2.8-11
2			DJ7031A-2.8-11
3			DJ7041A-2.8-11
4			DJ7061A-2.8-11
5			DJ7091A-2.8-11
6			DJ7021A-2.8-21
7			DJ7061A-2.8-21
8			DJ7091A-2.8-21
9	ZL		ZL-C2
10			ZL-C3
11			ZL-C4
12			ZL-C5
13			ZL-C6

CONNECTOR SPECIFICATION

接插件型号规格一览表

接插件塑料座规格 (Plastic stand specification)			
序号	产品类别代号	示意图	标准型号
1	SM		SM-2A
2			SM-3A
3			SM-4A
4			SM-2Y
5			SM-3Y
6			SM-4Y
7	TJC3		TJC3-2Y
8			TJC3-3Y
9			TJC3-4Y
10			TJC3-5Y
11			TJC3-6Y