

@VINKAemobility



SUZHOU WANJIA ELECTRIC CO., LTD.
苏州万佳电器有限公司

Add: 苏州市吴中区木渎镇七子路6号

Web: www.vinka.jp

E-mail: sales_vk@vinka.jp

Tel: 0512-69330851

VINKA MOTOR

SUZHOU WANJIA ELECTRIC CO., LTD.

WEB/



WECHAT/



**VINKA motor
be your companion
on the road
To our members
we are the
fourth emergency**

CONTENT

1

About VINKA 万佳品牌





01

Company Profile/企业简介
Company Development Milepost/企业里程碑
Company Certificates/企业资质
Company Advantages/企业优势
Company After-sales/企业售后

2

Leading Products 明星系列

13

 **S20 / E30 / E50 ★★ ★**
C20 / C30 / E20
 RH60 / RH76
 The AIoT Max System
 VINKA Life App

3

Buying Guides 参数指南

35

Mid Drive Motors/中置电机
Hub Drive Motors/轮毂电机
Displays/仪表
Controllers/控制器
Sensors/传感器
Accessories/配件

COMPANY PROFILE

公司简介

Founded in 2003, with a registered capital of 50 million yuan, Suzhou Wanjia Electric Co., Ltd. (VINKA) is a national high-tech enterprise specialized in R&D, manufacturing and sales operation. Currently, VINKA has a staff of 470 employees, covering an area of 30,000 square meters.

苏州万佳电器有限公司成立于2003年，注册资本5000万人民币，国家级高新技术企业，系一所集研发、制造、销售于一体的高科技研发及制造型公司。公司现有人员470余名，厂房面积30000余平。



30000⁺ sqm
占地面积30000余平



470⁺ employees
员工人数470人

Introducing Japanese technology and relying on many years automotive parts R&D and manufacturing experience of the headquarters, VINKA now mainly focus on the R&D and manufacturing of torque sensor, mid drive system and hub drive system in the eBike industry. With plants in both Suzhou and Tianjin, VINKA also sets up after-sales sites in Europe, the United States, Canada, Japan and other mainstream markets.

VINKA implements ISO9001, ISO14001, ISO18001, TS/16949, GB/T 29490, ISO27001 and got EN15194, UL, JIS certified. VINKA also has obtained more than 100 global authorized patents.



20⁺ years
公司成立至今20余年

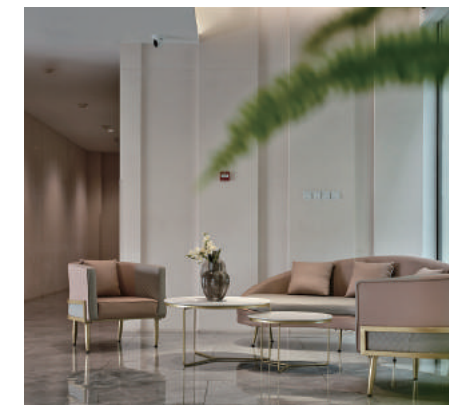


100⁺ patents
专利数量突破100余项

企业源于日本技术，依托于总部多年汽车零部件研发及制造经验，目前主要致力于eBike两轮车行业下的力矩传感器、中置驱动系统、轮毂驱动系统的研发与制造，目前在苏州和天津均设有生产基地，并在欧洲、美国、加拿大、日本等主流市场建立了海外服务中心。

VINKA拥有ISO9001、ISO14001、ISO18001、TS/16949、GB/T 29490、ISO27001等管理体系以及欧盟EN15194、美国UL、日本JIS等行业认证，同时获得国内外授权专利数量100余项。

COMPANY OVERVIEW



WORK ENVIRONMENT

VISION

围绕“物联网+智能制造+大数据”的理念，VINKA电机旨在提供一流研发及品控产品的同时，打造智能化、差异化、数据化的电机驱动系统。搭载万佳驱动系统，赋予电动自行车更多功能选择，通过跨界技术的整合，以数据促进品质、以功能提升价值，不断满足未来高端电动市场需求，致力于突破更新更广的行业空白。



With the concept of “Internet of Things (IoT) + Intelligent Manufacturing (IM) + Big Data”, VINKA is dedicated to developing and producing intelligent, differentiated and personalized motor products with good quality. Equipped with VINKA drive system, the eBike becomes SMART.

By integration of cross-domain technology, VINKA implements data analysis to drive quality improvement and function diversity to push value enhancement, ensuring that VINKA motors constantly cater to the different needs and preferences of the premium eBike market. VINKA is always committed to breaking through the gaps of the eBike motor industry.



Technologies From Japan

DEVELOPMENT MILEPOST

2003

万佳电器苏州工厂成立
VINKA headquarters
was established.

2005

获得ISO9001、ISO14001认证
ISO9001, ISO14001
certification was
obtained.



2008

获得ISO14001体系认证
并导入ERP/CRM/PLM/MES
实现行业系统化管理体系

ISO14001 certification was
obtained and
ERP/CRM/PLM/MES
implemented to execute
systematic management
plan.



2011

通过TS/16949质量管理体系认证
成立苏州大学产学研基地
荣获国家级高新技术企业资质

TS/16949 Quality Manage-
ment Certification was
certified.

Suzhou University Indus-
try-academic-research
institute was established.

The title of National
High-tech Enterprise was
awarded.

2014

成立物联网研发中心及
电动车电机事业部
获得苏州市智能电动车移动
物联网工程技术研究中心资质

The IoT R&D center and
eBike motor division were
established.

Suzhou Intelligent Electric
Vehicle IoT Engineering
Technology Research
Center was qualified.



2017

成立欧洲分公司
成立本土化研发/销售/售后中心

European Branch was
established with localized
R&D, sales and
after-sales centers.

2019

通过欧盟新安全标准
EN15194-2017、ISO13849

北美售后中心建立
EN15194-2017 certifica-
tion and ISO13849 certifi-
cation were obtained.
North American after-sales
center was set up.



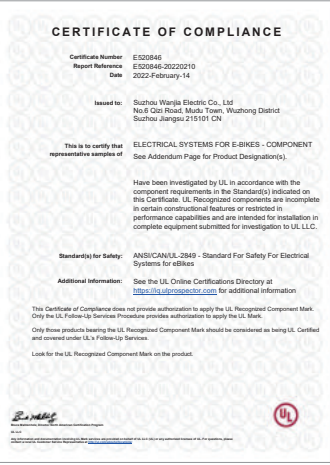
2021

TUV/UL授权WTDP实验室
厂房面积扩大到30000平

WTDP lab was authorized
by TUV/UL.
30,000 sqm new plant was
built.

2022

VINKA电机及控制器获得UL认证
VINKA motors and control-
lers passed UL certifica-
tion.



2023

万佳电器欧洲工厂成立
导入自动化生产线
VINKA European factory
was established.
Importing automation
production line.



CERTIFICATES AUTH

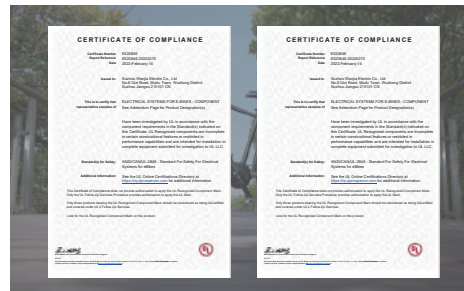
Management System Certification/管理体系认证

Obtained certificates including ISO9001, ISO14001, ISO45001, IATF16949, GB/T29490, ISO27001
拥有ISO9001、ISO14001、ISO45001、IATF16949、GB/T29490、ISO27001等管理体系认证



UL Certification/UL认证

Certified by UL certification
获得美国UL认证



JIS Certification/JIS认证

Complied with JIS industrial standards
符合日本JIS工业标准



EN Certification/EN认证

Certified by EU EN certification
获得欧盟EN认证

BRAND ADVANTAGES

GREEN POWER
CONSUMING LESS, CYCLING BETTER

品牌优势

Technologies from Japan/源于日本技术

Introduction of Japanese R&D and manufacturing technology and teams.
引进日本研发、制造技术和团队

High Self-manufactured Capability/高自制率

The core components of the drive units are processed and manufactured by VINKA.
驱动系统核心部件全自主加工

Noise Control Technology/低噪音控制

Owing to the automotive engine technology, the motor noise is well optimized through NVH analysis.
基于汽车级发动机开发技术，通过专业NVH分析，优化整机噪音

Temperature Control Technology/温控技术

Unique rotor design and excellent heat dissipation ensure the continuous output of the motor.
独特转子设计结合优秀散热技术保证电机在高功率状态下持续输出

Automated Manufacturing/自动化精密制造

Industry-leading automated and semi-automated precision production and intelligent inspection equipment
行业内领先的自动化、半自动化精密制造和智能检测设备

Manufacturing and Quality/制造与品控

High integrated automation equipment and self-manufacturing rate of core components with full-set ISO quality control certificates.
通过全系ISO品控体系认证
高集成度自动化设备、核心部件均为自主加工

Technical Talent Team/全领域技术团队

VINKA has a team of technology leaders, Japanese industry motor experts and talents from electronics, computer, machinery and automation.
科技领军人才，日籍行业电机专家以及涵盖电子、计算机、机械、自动化等领域的综合队伍

VINKA Company Scale/规模与资本

Covering an area of 30,000+ square meters in China, VINKA also invested in Europe the operation of R&D, manufacturing, sales and after-sales.
生产基地规模30000余平
欧洲投资建立全系研发/制造/销售/售后运营

Management System/管理体系

Obtained a list of Japanese parts suppliers
Full process of MES tracking.
一流的日系供应商体系/零配件导入
全工序级别的全检品控/MES追踪

Global Patents/全球专利

100+ global technology licensed patents
获得国内外技术授权专利100余项

Overseas After-sales/海外售后

8 sites in oversea countries
Global after-sales service layout
8个海外售后网点
全球化服务投放能力



海外售后体系

Since 2017, VINKA has gradually established its own after-sales sites around the world to provide a range of services for customers. By setting up dedicated service teams and hiring local engineers around the world, a rapid response mechanism has been established to provide convenient and efficient services to customers worldwide.

自2017年起，VINKA逐步在全球建立起自己的售后服务中心，为客户提供测试、维修、换新、升级等系列服务。通过在全球设立专门的服务团队和工程师，建立了一个快速反应机制，为全球客户提供便捷高效的服务。



10⁺
Sites

After-sales Service
售后服务网点

6⁺
Years

Years of Operation
海外独立运营年份



China Headquarters
总部售后中心

SUZHOU (Headquarters)
No.6 Qizi Road, Mudu Town, Wuzhong District, Suzhou, China

TIANJIN
No.2 Quanfeng Road, Wuqing District, Tianjin, China

Global After-sales Sites
全球售后中心

AMERICA
3207 Claremont Avenue, Albuquerque NM 87107

CANADA
200-3871 No.3 Rd, Richmond Bc, Canada

CZECH REPUBLIC
Tovární 16, Moravska Trebova, 571 01. Czech Republic

THE NETHERLANDS
Industrieweg 9, 7641 AT, Wierden, Netherlands

DENMARK
Brunde Vest 14C, 6230 Rødekro, DK

ITALY
Via Verbano, 4 , 20017 Rho (MI) Italy

JAPAN
2- 4-1, Minamihonmachi, Chuo-ku, Osaka-shi, Osaka
3-3-2, Kotobuki, Taito-ku, Tokyo

Leading Products

明星系列

我们是行业创新者，不断挑战电机的差异化设计。
VINKA电机系列适应不同的地形和气候条件，适配
多样车型，为客户提供全方位舒适和平稳的骑行感
受。



We are innovators constantly
challenging the design boundaries
in the eBike motor industry.

VINKA diversified series provide
brilliant comfort and support in light
to different terrains and climatic
conditions.



Find New Adventures

The most relaxed state of life is probably riding an eBike leisurely. When the wind blows, all the troubles of work are thrown away.

Try on a new VINKA motor, have a new experience of lifestyle.

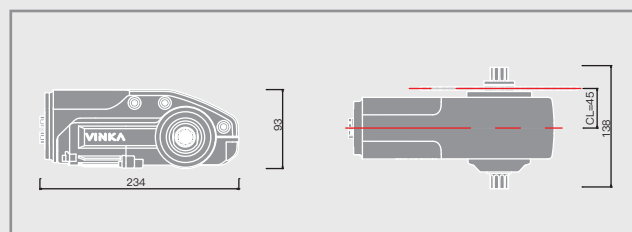
LIGHT AS A CLOUD

MYSTERIOUS HIDDEN LAYOUT

Light and compact, innovative works.
The joy of being a cyclist is on the road.

致轻致隐 创新之作

高端设计 个性体验



公路车、旅行车、城市车，甚至折叠车，
精致小巧，让整车的高端感与骑行者的审美感并驾齐行，
在享受清新的空气和美好的蓝天之时，不失优雅。



60Nm

持续输出扭矩

250W

额定功率

2.9kg(Al)

2.6kg(Mg)

产品重量

Are you looking for a tiny motor perfectly hidden in the downtube? Pick S20, column shape, simple and small, fits for the innovative eBikes. The new magnesium alloy version with titanium silver gray metallic spray paint weighs only 2.6kg, light and compact but it is still able to perform at high power.

您是否在寻找一款能完美隐藏于下管、与车架融为一体的小型电机？S20柱状造型，外观简约小巧，符合创新车型设计之需求。全新推出的镁合金版本，机身采用钛银灰金属表面工艺，2.6kg的重量，轻巧紧凑的机身依旧动力不减。



An eRoad, eTrekking or eCity equipped with S20 comes with an appearance of luxury which is perfectly match the taste of the riders. While breathing the fresh air and enjoying the blue sky, you will get a feeling of elegance.

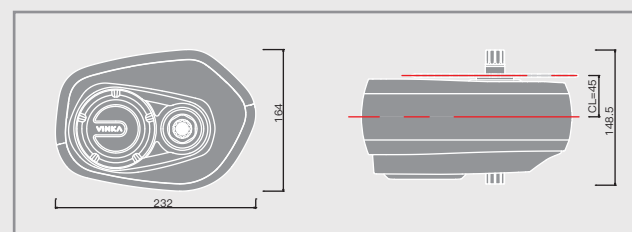
ADMIT IMPEDIMENT BUT E30 WILL STILL RISE

Smooth and strong, an excellent experience to discover a brand-new world.

稳定输出 纵享卓越

硬件升级 强强联合

VINKA E30 带你探索全新世界



85Nm

持续输出扭矩

250W

额定功率

3.6kg(Al)

3.3kg(Mg)

产品重量

With ISIS shaft, integrated panel wiring harness and double clutch design, E30 motors, magnesium housing optional, are responsive, low-vibration and very quiet at all times which caters to the different needs and preferences of the premium eBike market and becomes their primary choice.

采用ISIS轴、集成面板线束及双离合设计的E30电机，配置齐全，另推出了镁合金高端版本，以其低震动、高扭力、整车断电时骑行无阻力的特点，受到高端品牌的青睐，成为高定位整车产品的不二之选。

配合E30的eMTB或eCity，

强大的性能既可以让您在山林间穿梭自如，探险更加轻松，也可以让您充分感受游走于城市之间的自然与自由之感。



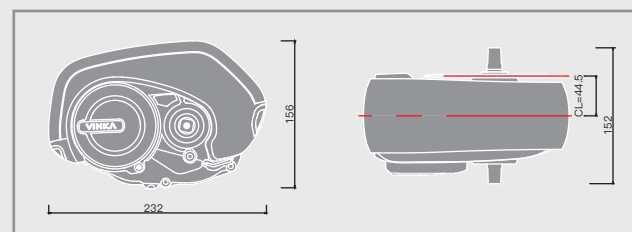
Combined with VINKA E30, the powerful performance of eMTB or eCity allows you to move freely through the mountains and forests, or fully feel the sense of nature and freedom between cities.

INTELLIGENT INVENTION MAKES THE FUTURE

The combination
of technology and aesthetics.

智能制造 驱动未来

科技与美学的结合



无论你是想出行还是想探险，
都能成为你的最佳选择，
不如在周末的时光来一个说走就走的旅程！



E50



85Nm
持续输出扭矩

250W
额定功率

3.2kg
产品重量

As the achievements of the automated production line, E50 motor is a path breaking outcome in the industry whose quality is more guaranteed and the performance is more consistent. In addition, E50 also opens a new chapter of the global after-sales model.

作为中置电机自动化生产线的首发产品，E50突破了行业智能制造的空白，使其产品的质量性能的一致性与稳定性再上新台阶。除此之外，E50也同步开启了全球化新售后模式的新篇章。



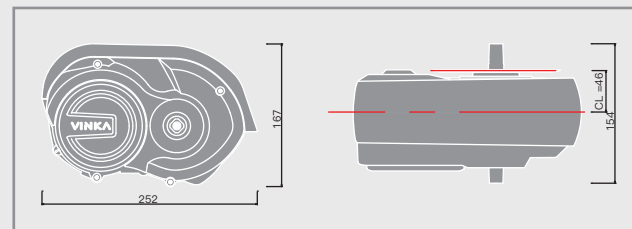
Whether you're looking for a getaway or an adventure, it's the ideal choice for you.
Everyone can go on a trip at any time.

AS SILENT AND MATURE PEACE FLOWS INTO MY SOUL

Speed up your cycling
equipped with VINKA motor.

静音控制 稳健前行

万佳经典 成熟之选



浑厚稳健的个性，成熟稳健的搭载，
世界纷扰，老而弥坚，做好每一个追逐稳健的行者。



C20



80Nm
持续输出扭矩

250W
额定功率

3.8kg
产品重量

C20 motor, VINKA best-selling model was awarded the Dutch AD-fietstest Gold Award 2022 for its excellent silence performance and continuously stable output. This motor attracts a large group of fans.

作为VINKA最为畅销的经典款C20，凭借出色的静音性能与高效率高稳定输出，荣获2022年荷兰AD-fietstest金奖，获得主流客户的长期一致选择。



Whatever others may say, steady and
mature, do well in every chase of the goal.

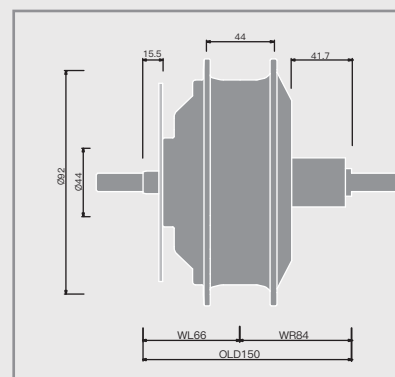
FRIVOLOUS TIRELESS

BRIGHT DELICATE WORKS

Light and efficient
Byebye, traffic jam and the noisy world

精致玲珑 尺寸之地

轻巧别致，拜拜嘈杂的世界



30Nm

持续输出扭矩

250W

额定功率

1.8kg

产品重量

More than a rear hub. You wouldn't even think the RH60i was already mounted on a bike. It's so small that already shade by the flywheel. Light and small, while maintaining high efficiency and 30Nm torque output.

第一眼看到便会热衷的小巧造型，您甚至会搭载RH60i的电动助力车与自行车混淆，小到可被飞轮轻易遮挡。轻巧又别致的同时还保持了高效率性能和30Nm的扭矩输出，真正做到了很小，但很强。

为“小”而生，在城市中穿梭VS在郊外公路上疾驰？

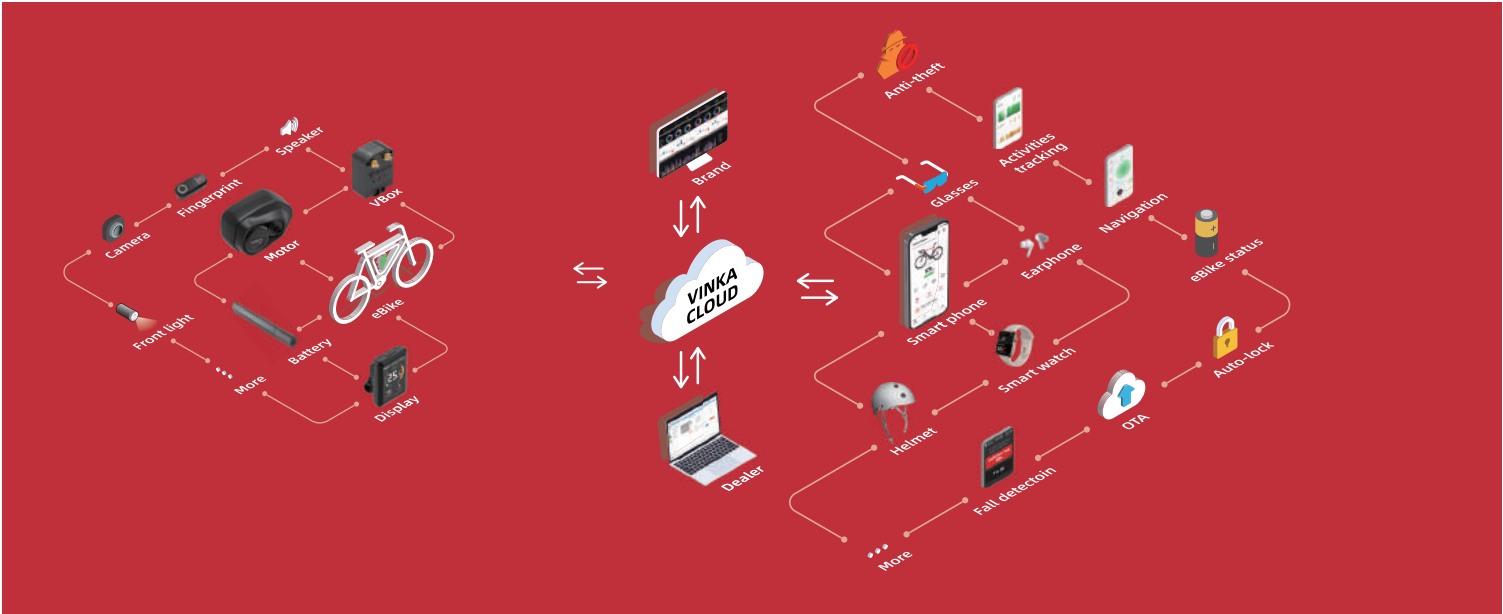
只能二选一？

装上RH60i的电动车，选择更多自由和快乐的生活方式。



Born for “small”. eCity or eTrekking? With VINKA RH60i, you can choose a lifestyle with more freedom and pleasure.

CYCLING IS SMART



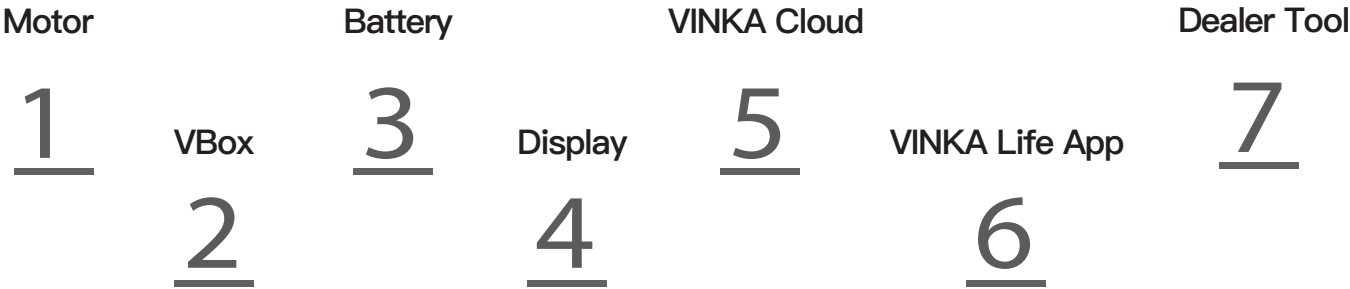
What is VINKA AIoT Max System?

On account of many years’ accumulated experience and knowledge, VINKA AIoT MAX integrates the advanced and intelligent IoT technology as well as the most cutting-edge cloud computing and big data. It is the intelligent vehicle networking solution built with all our efforts in recent years.

The VINKA AIoT MAX realizes the interconnection between electric bikes and smart devices, and provides the bike owners with wonderful experience of technology products into cycling life. It also offers platform support including after-sales, promotion, analysis for brand owners to improve the efficiency of information flow from the customers to brand owners and then to VINKA.

VINKA AIoT MAX是依托于万佳多年沉淀的卓越的电机电控技术，集成了先进智能的物联网技术，同时整合了时下最前沿的云计算、大数据等互联网技术，是万佳近年来倾力打造的智能车联网解决方案。

AIoT MAX以电助力自行车为中心，将人、车、智能设备完美的结合起来，实现了电助力自行车和智能设备的互联互通，为车主提供了科技产品深入骑行生活的美妙体验；同时为品牌商提供了包括售后、推广、分析等功能的平台支撑，提升从客户到品牌商，再到VINKA的信息流转效率。



Get intelligent riding by VINKA Life

VINKA Life App is your smart companion that helps you stay connected, notified, and entertained.

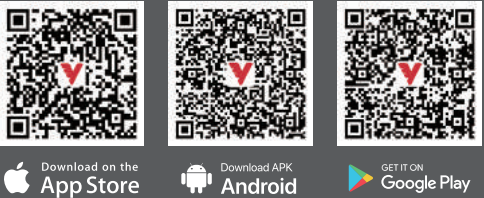
With the help of VINKA AIoT MAX System, end customers can realize remote positioning, service upgrade and eBike condition notification, and also enjoy the functions of ride navigation, sharing and heart rate training while riding. Business partners can make report analysis on the overall eBike usage in terms of region, model and motor machine distribution, offering data support for market decision and also providing timely service guarantee for owners with broken down eBikes.

借助于VINKA AIoT MAX，C端用户实现了远程车辆定位、服务升级、车况通知等功能，在骑行时也可以享受骑行导航、打卡分享、心率训练等功能；B端用户可以对整体车辆使用的地区、车型、电机机种分布进行报表分析，为市场决策提供数据支撑，也可以为有故障的车主提供及时的服务保障。



VINKA LIFE

Go where the winners go



eBike状态一览

eBike Status at a Glance

OTA Update

OTA更新

Riding Modes Adjustments

骑行模式调整

Navigation

导航

Synchronising Navigation with DC35 Display

DC35仪表同步显示导航信息

Sharing

骑行打卡

...

Get eBike evolved:

Developed in-house by VINKA, VBox is the edge gateway of IoT. It extends bi-directional communication between IoT devices, like motor battery, display, and VINKA Cloud, and provides multiple local computing services which promises low-latency responses, cost efficiency secure privacy and local autonomy.

VINKA Life App扩展了IoT设备之间的双向通信并提供多种本地计算服务, 保证了低延迟响应、成本效率、安全隐私和本地自治。



VINKA DIAGNOSIS SYSTEM

VINKA诊断系统

VINKA Service Tool 2.0

VST2.0, VINKA service tool is designed to enable communication between PC and eBike for diagnosis, product configuration, software upgrade, development and debug. With VST2.0 box, the Dealer Portal is able to connect all VINKA devices, including display, controller, battery, torque sensor and VBox etc.

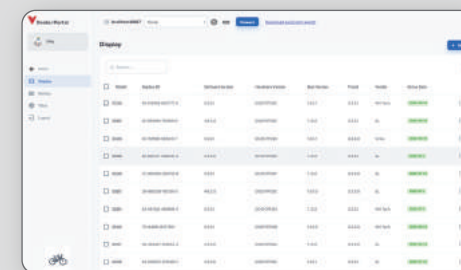
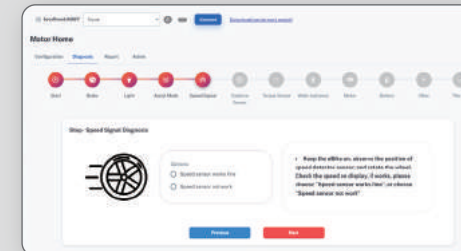
VINKA售后服务工具2.0旨在实现PC端与eBike之间的通讯、诊断、产品配置、软件升级、开发和调试。通过VST2.0盒子，Dealer Portal可以连接所有VINKA设备，包括仪表、控制器、电池、扭矩传感器、VBox等。



+ VINKA Dealer Tool



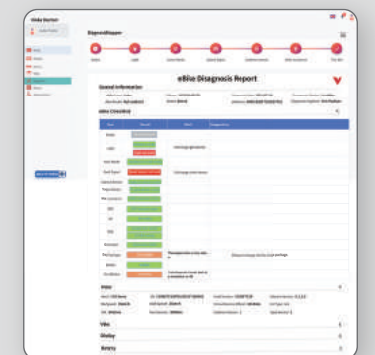
- eBike Drive System Diagnosis (including Motor, Display, Battery, VBox and eBike)
eBike驱动系统诊断（包括电机/仪表/电池/VBox以及整车的诊断）
- eBike Configuration Center
电机配置和升级中心
- Professional Diagnosis Report
专业诊断报告
- Customer Maintenance Center
客户维护中心
- After-sales Service Site
售后服务网点
- eBike Data Center
电机档案中心



01
Diagnosis System
诊断系统

02
Diagnosis Report
诊断报告

03
eBike Data
一车一档





MID DRIVE MOTORS

When your eBike has a VINKA motor,
it's worth showing off.

V20 Series



+ V20 Series

Perfectly suited to entry-level eCity bikes,
which is an economical and reliable choice.

入门级中置电机，经济型可靠选择。



eCity

☐ V20

	36V
	250W
	70Nm

Pedal Sensor 传感器类型	Cadence and Torque Integrated 踏频+扭矩传感器
Maximum Possible Drive Torque/持续输出扭矩	70Nm
Max Torque 最大扭矩	80Nm
Size/电机尺寸	220mm*161mm*156mm
Weight approx. 电机净重	3.4kg
Efficient/效率	≥80%
Shaft Standard 出轴标准	JIS
Light Drive Capacity 大灯供电参数	DC6V/3W
Operating Temp. 工作温度	-20~45℃
IP Rating/防水等级	IPX5
Certification/认证	RoHS/CE/EN15194/ISO13849

C20 Series



+ C20 Series

Classic mature model with the combination of power and silence performance, fits for common eBike type.

经典成熟款，动力与静音效果优势结合，适配稳健性车款。



<input type="checkbox"/> C20	36V
	250W
	80Nm
<input type="checkbox"/> C21	36V
	350W
	90Nm
<input type="checkbox"/> C23	48V
	250W
	80Nm
<input type="checkbox"/> C24	48V
	350W
	90Nm
<input type="checkbox"/> C25	48V
	500W
	100Nm

Pedal Sensor 传感器类型	Cadence and Torque Integrated 踏频+扭矩传感器
Maximum Possible Drive Torque/持续输出扭矩	80/90/100Nm
Max Torque 最大扭矩	100/110/120Nm
Size/电机尺寸	229mm*143.5mm*109mm
Weight approx. 电机净重	3.8kg
Efficient/效率	≥80%
Shaft Standard 出轴标准	JIS
Light Drive Capacity 大灯供电参数	DC6V/3W
Operating Temp. 工作温度	-20~45℃
IP Rating/防水等级	IPX5
Certification/认证	RoHS/CE/EN15194 UL2849/ISO13849

S20 Series



+ S20 Series

Weighing 2.9kg, S20 is a hidden motor with small size, which fits for the innovative and premium eBike needs.

重量2.9kg，小体积隐藏款电机，适配创新车型及高端设计需求。



<input type="checkbox"/> S20	36V
	250W
	60Nm

Pedal Sensor 传感器类型	Cadence and Torque Integrated 踏频+扭矩传感器
Maximum Possible Drive Torque/持续输出扭矩	60Nm
Max Torque 最大扭矩	70Nm
Size/电机尺寸	229mm*92mm*85mm
Weight approx. 电机净重	2.9kg
Efficient/效率	≥80%
Shaft Standard 出轴标准	JIS
Light Drive Capacity 大灯供电参数	DC6V/3W
Operating Temp. 工作温度	-20~45℃
IP Rating/防水等级	IPX5
Certification/认证	RoHS/CE/EN15194
Mg/镁合金	Optional/可选

E30 Series



E30 Series

Double clutch design with a max torque of 120Nm, able to achieve no resistance riding when power off.

双离合设计，最大扭矩120Nm，在无电状态下可实现无阻力骑行。



<input type="checkbox"/> E30	36V
	250W
	85Nm
<input type="checkbox"/> E31	36V
	350W
	90Nm
<input type="checkbox"/> E33	48V
	250W
	85Nm
<input type="checkbox"/> E34	48V
	350W
	90Nm

Pedal Sensor 传感器类型	Cadence and Torque Integrated 踏频+扭矩传感器
Maximum Possible Drive Torque/持续输出扭矩	85/90Nm
Max Torque 最大扭矩	110/120Nm
Size/电机尺寸	198mm*136mm*115mm
Weight approx. 电机净重	3.6kg
Efficient/效率	≥80%
Shaft Standard 出轴标准	ISIS
Light Drive Capacity 大灯供电参数	DC6V/3W
Operating Temp. 工作温度	-20~45℃
Double Clutch/双离合	Available/支持
IP Rating/防水等级	IPX5
Certification/认证	RoHS/CE/EN15194
Mg/镁合金	Optional/可选

E50 Series



+ E50 Series

Automated production line with high consistency technology, new generation of popular design.

自动化产线制程，高一致性工艺，新一代普及款设计。



<input type="checkbox"/> E50	36V
	250W
	85Nm

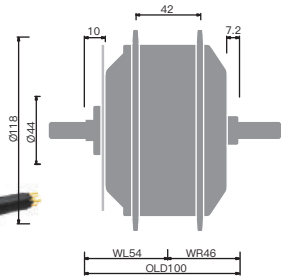
Pedal Sensor 传感器类型	Cadence and Torque Integrated 踏频+扭矩传感器
Maximum Possible Drive Torque/持续输出扭矩	85Nm
Max Torque 最大扭矩	110Nm
Size/电机尺寸	200mm*140mm*109mm
Weight approx. 电机净重	3.2kg
Efficient/效率	≥80%
Shaft Standard 出轴标准	JIS
Light Drive Capacity 大灯供电参数	DC6V/3W
Operating Temp. 工作温度	-20~45℃
IP Rating/防水等级	IPX5
Certification/认证	RoHS/CE/EN15194/ISO13849



HUB DRIVE MOTORS

Start a new day with VINKA motor.

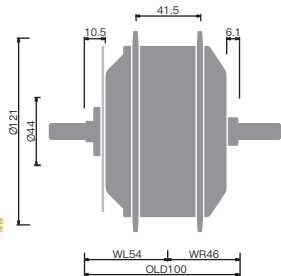
FH30 Series



2.7kg 36V 250W

Position/位置	Front Motor/前驱电机
Wheel Size/支持轮径	26-29"
Max Torque/最大扭矩	30Nm
Installation Width(OLD) 安装开档尺寸	100mm
Brake 刹车类型	V-Brake/Disc Brake V型刹/碟刹
Spoke Specification 辐条参数	36H*13G

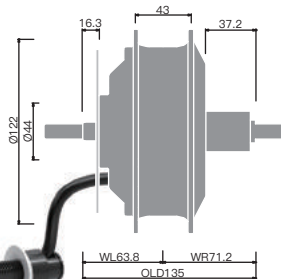
FH30i Series



2.3kg 36V 250W

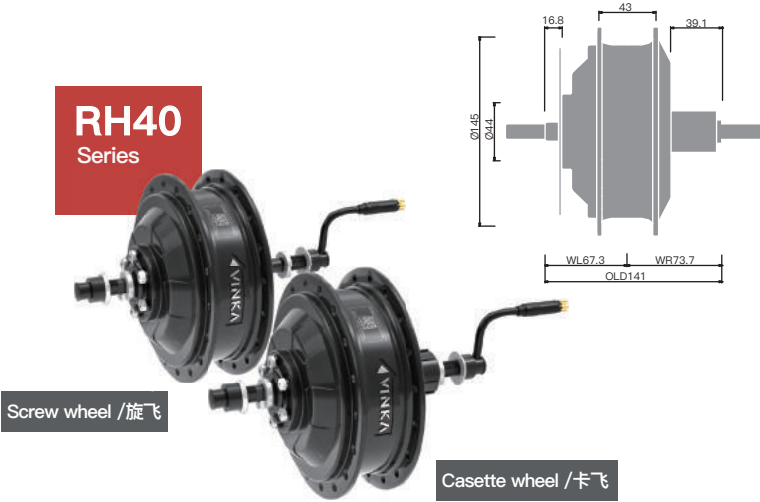
Position/位置	Front Motor/前驱电机
Wheel Size/支持轮径	26-29"
Max Torque/最大扭矩	35Nm
Installation Width(OLD) 安装开档尺寸	100mm
Brake 刹车类型	V-Brake/Disc Brake V型刹/碟刹
Spoke Specification 辐条参数	36H*13G

RH30 Series



2.8kg 36V 250W

Position/位置	Rear Motor/后驱电机
Wheel Size/支持轮径	20-29"
Max Torque/最大扭矩	30Nm
Installation Width(OLD) 安装开档尺寸	135mm
Brake 刹车类型	V-Brake/Disc Brake V型刹/碟刹
Spoke Specification 辐条参数	36H*13G



RH40	3.4kg	36V	250W	45Nm
RH41	3.4kg	36V	350W	45Nm
RH45	3.4kg	48V	500W	45Nm

Position/位置	Rear Motor/后驱电机
Wheel Size/支持轮径	20-29"
Max Torque/最大扭矩	45Nm
Installation Width(OLD) 安装开档尺寸	125/135/141mm
Brake 刹车类型	V-Brake/Disc Brake V型刹/碟刹
Spoke Specification 辐条参数	36H*13G
Casette Wheel Supported 卡飞	Optional 可选



RH70	4.1Kg	36V	250W	45Nm
RH71	4.1Kg	36V	350W	55Nm
RH75	4.1Kg	48V	500W	65Nm

Position/位置	Rear Motor/后驱电机
Wheel Size/支持轮径	26-29"
Max Torque/最大扭矩	45-65Nm
Installation Width(OLD) 安装开档尺寸	175mm
Brake 刹车类型	V-Brake/Disc Brake V型刹/碟刹
Spoke Specification 辐条参数	36H*12G 36H*13G



1.8Kg

36V

250W

Position/位置	Rear Motor/后驱电机
Wheel Size/支持轮径	20-28"
Max Torque/最大扭矩	30Nm
Installation Width(OLD) 安装开档尺寸	138/150mm
Brake 刹车类型	V-Brake/Disc Brake V型刹/碟刹
Spoke Specification 辐条参数	36H*12G 36H*13G
Casette Wheel Supported 卡飞	Optional 可选

Series

"

Displays

仪表



Size/尺寸	65mm*46mm
Rated Voltage 额定电压	36V/48V
Installation Size 安装横把直径	φ22.2
Display Type 仪表类型	LED Side-Type/LED侧边仪表
Screen Attribution 屏幕属性	LED
Com. Protocol 通讯协议	Uart
Operating Temp. 工作温度	-20~60℃
IP Rating/防水等级	IPX5
Certification/认证	RoHS/CE/EN15194



Size/尺寸	62mm*99.6mm
Rated Voltage 额定电压	36V/48V
Screen Size 屏幕尺寸	3.5"
Installation Size 安装横把直径	φ22.2/25.4/31.8
Display Type 仪表类型	LCD Middle-Type/LCD中置仪表
Screen Attribution 屏幕属性	Segment/黑白段码屏
Com. Protocol 通讯协议	Uart
Operating Temp. 工作温度	-20~60℃
IP Rating/防水等级	IPX5
Certification/认证	RoHS/CE/EN15194

Size/尺寸	82mm × 48mm
Rated Voltage 额定电压	36V/48V
Screen Size 屏幕尺寸	2.2"
Installation Size 安装横把直径	φ22.2
Display Type 仪表类型	LCD Side-Type/LCD侧边仪表
Screen Attribution 屏幕属性	Segment/黑白段码屏
Com. Protocol 通讯协议	Uart
Operating Temp. 工作温度	-20~60℃
IP Rating/防水等级	IPX5
Certification/认证	RoHS/CE/EN15194



USB

Size/尺寸	85mm*59mm
Rated Voltage 额定电压	36V/48V
Screen Size 屏幕尺寸	2.1"
Installation Size 安装横把直径	φ22.2
Display Type 仪表类型	LCD Side-Type/LCD侧边仪表
Screen Attribution 屏幕属性	Segment/黑白段码屏
Com. Protocol 通讯协议	Uart
Operating Temp. 工作温度	-20~60℃
IP Rating/防水等级	IPX5
Certification/认证	RoHS/CE/ISO13849



BLE USB



Size/尺寸	64mm*50mm
Rated Voltage 额定电压	36V/48V
Screen Size 屏幕尺寸	1.3"
Installation Size 安装横把直径	φ22.2
Display Type 仪表类型	LCD Side-Type/LCD侧边仪表
Screen Attribution 屏幕属性	Segment/黑白段码屏
Com. Protocol 通讯协议	Uart
Operating Temp. 工作温度	-20~60℃
IP Rating/防水等级	IPX5
Certification/认证	RoHS/CE/EN15194



BLE USB

Size/尺寸	82mm*48mm
Rated Voltage 额定电压	36V/48V
Screen Size 屏幕尺寸	2.2"
Installation Size 安装横把直径	φ22.2
Display Type 仪表类型	LCD Side-Type/LCD侧边仪表
Screen Attribution 屏幕属性	彩色液晶屏 (TFT)
Com. Protocol 通讯协议	Uart
Operating Temp. 工作温度	-20~60℃
IP Rating/防水等级	IPX5
Certification/认证	RoHS/CE/EN15194

Displays

仪表



BLE

Size/尺寸	58.4mm * 34.8mm
Rated Voltage 额定电压	36V/48V
Screen Size 屏幕尺寸	1.9"
Installation Size 安装横把直径	φ22.2/25.4/31.8
Display Type 仪表类型	LCD Middle-Type LCD中置仪表
Screen Attribution 屏幕属性	彩色液晶屏(TFT)
Com. Protocol 通讯协议	Uart/CAN
Operating Temp. 工作温度	-20~60℃
IP Rating/防水等级	IPX5
Certification/认证	RoHS/CE/EN15194

Size/尺寸	47.4mm * 64.2mm
Rated Voltage 额定电压	36V/48V
Screen Size 屏幕尺寸	2.0"
Installation Size 安装横把直径	φ22.2/25.4/31.8
Display Type 仪表类型	LCD Middle-Type LCD中置仪表
Screen Attribution 屏幕属性	彩色液晶屏(IPS)
Com. Protocol 通讯协议	Uart/CAN
Operating Temp. 工作温度	-20~60℃
IP Rating/防水等级	IPX5
Certification/认证	RoHS/CE/EN15194



BLE



Type-C



Di2



HRM

Size/尺寸	77mm * 96mm
Rated Voltage 额定电压	36V/48V
Screen Size 屏幕尺寸	3.5"
Installation Size 安装横把直径	φ22.2/25.4/31.8
Display Type 仪表类型	LCD Middle-Type LCD中置仪表
Screen Attribution 屏幕属性	彩色液晶屏(TFT)
Com. Protocol 通讯协议	Uart
Operating Temp. 工作温度	-20~60℃
IP Rating/防水等级	IPX5
Certification/认证	RoHS/CE/EN15194



BLE



USB

Controllers

控制器



250W

350W



350W

500W

750W

Control Type/型号	FOC Motor Controller FOC电机控制器
Rated Voltage/电压	36V/48V
Com. Protocol/通讯协议	Uart/CAN
E-Brake Lever/断电刹把	Supportive/支持
Throttle Voltage/转把电压	1.0~4.3V
Hall Sensor/霍尔传感器	Available/支持
Support Mode/助力档位	0~5
Walk Assistance/推行速度	3~6Km/h Optional/可调
Light Drive Capacity/大灯电压	DC6V/3W
Operating Temp./工作温度	-20~45℃
IP Rating/防水等级	IPX5
Certification/认证	RoHS/CE/ISO13849/UL2849
Current Limit/限流	14A/18A

Sensors

传感器



●Size/尺寸:68/73mm



●Size/尺寸:100mm

Control Type/型号	BB Torque Sensor 五通力矩中轴传感器
Pedal Sensor 传感器类型	Cadence & Torque Integrated 踏频+力矩型
Input Voltage/输入电压	9~16V
Measure Range/测量范围	0~60N.m
Cadence/踏频参数	16 pulses/Rotation/16脉冲/圈
Direction/方向信号	Supportive/支持
IP Rating/防水等级	IPX5
Shaft Type/出轴类型	JIS
Cable Position/线束位置	Side/侧边
Accuracy/精度	±2.5%

Sensors 传感器

CS20



Control Type/型号	Side Mount Cadence Speed Sensor 侧边踏频速度传感器
Size/尺寸	Diameter/直径φ15.2 Thickness/厚度φ9.6
Pedal Sensor 传感器类型	Cadence integrated/踏频型
Input Voltage/输入电压	5V
Measure Range/测量范围	0-255RPM
Cadence/踏频参数	12 pulses/Rotation/12脉冲/圈
IP Rating/防水等级	IPX5
Assembly/装配类型	Left Side/左侧

Control Type/型号	Side Mount Cadence Speed Sensor 侧边踏频速度传感器
Size/尺寸	Diameter/直径φ15.2 Thickness/厚度φ6.2
Pedal Sensor/传感器类型	Cadence Integrated/踏频型
Input Voltage/输入电压	5V
Measure Range/测量范围	0-255RPM
Cadence/踏频参数	12/24 pulses/Rotation/12/24脉冲/圈
IP Rating/防水等级	IPX5
Assembly Type/装配类型	Left Side/左侧

CS21



CS23



Control Type/型号	Side Mount Cadence Speed Sensor 侧边踏频速度传感器
Size/尺寸	Diameter/直径φ15.2 Thickness/厚度φ35
Pedal Sensor/传感器类型	Cadence Integrated/踏频型
Input Voltage/输入电压	5V
Measure Range/测量范围	0-255RPM
Cadence/踏频参数	12 pulses/Rotation/12脉冲/圈
IP Rating/防水等级	IPX5
Assembly Type/装配类型	Right Side/右侧

Motor Bracket 吊架

C系列



Model No. /产品编号	BK-C1
Suitability /适配机型	C2X/3X Series/系列
Material /材料	AL 6061

E系列



Model No./产品编号	BK-E1/BK-E2
Suitability/适配机型	E2X/3X/4X
Material/材料	AL 6061

S系列



Model No./产品编号	BK-S1
Suitability /适配机型	S2X Series/系列
Material/材料	AL 6061
Downtube Set/下管类型	Nanyang 4 Pull down



Model No./产品编号	BK-S3
Suitability /适配机型	S2X Series/系列
Material /材料	AL 6061
Downtube Set /下管类型	EEL-MINI2 Pull down



Model No. /产品编号	VSC1.0
Connector A /端子型号A	USB Micro B
Connector B 端子型号B	JL-F39-Z608 JM 母头(Female)
Connector C 端子型号C	JL-F39-Z608 JG 公头(Male)
Operating Temp. /工作温度	-20 ~ 45 °C
Certification /认证	CE/RoHS

VINKA Service Tool/ 服务工具

Accessories 配件



Model No. /产品编号	BK-C2
Suitability /适配机型	C2X/3X Series/系列
Material /材料	AL 6061



Model No./产品编号	BK-E3
Suitability /适配机型	E5X Series/系列
Material/材料	AL 6061



Model No./产品编号	BK-S2
Suitability/适配机型	S2X Series/系列
Material/材料	AL 6061
Downtube Set/下管类型	EEL-MINI1 Pull up

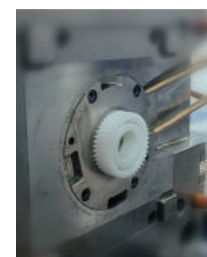
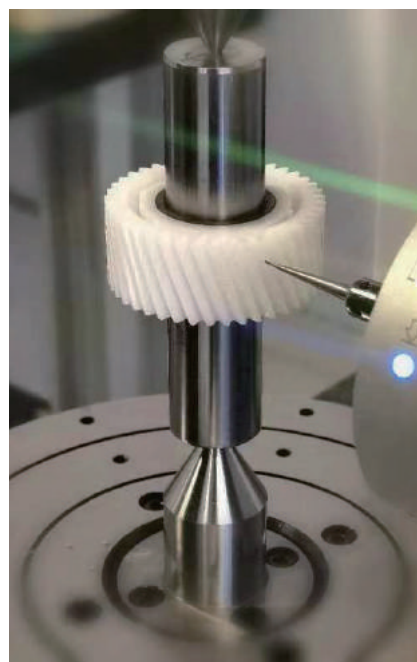
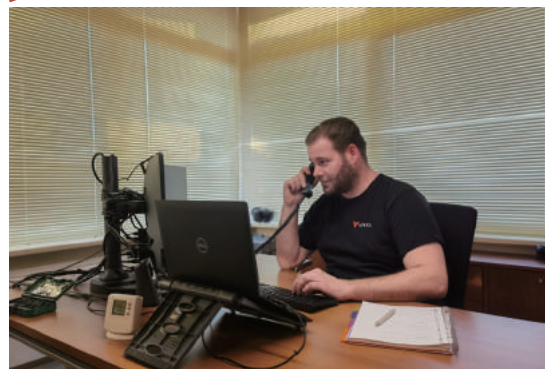


Model No. /产品编号	BK-S4
Suitability /适配机型	S2X Series/系列
Material /材料	AL 6061
Downtube Set /下管类型	IT21 Pull down



Model No. /产品编号	VST2.0
Connector A /端子型号A	USB Type B
Connector B 端子型号B	JL-F39-Z608 JM 母头(Female)
Connector C 端子型号C	JL-F39-Z608 JG 公头(Male)
Operating Temp. /工作温度	-20 ~ 45 °C
Certification/认证	CE/RoHS

**BUILD
BETTER
PRODUCTS**





NOTES