

@VINKAemobility



CATALOGUE 2025



VINKA EBIKE DRIVE SYSTEM

/WEB



/WECHAT



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SUZHOU WANJIA ELECTRIC CO., LTD.

苏州万佳电器有限公司

2024

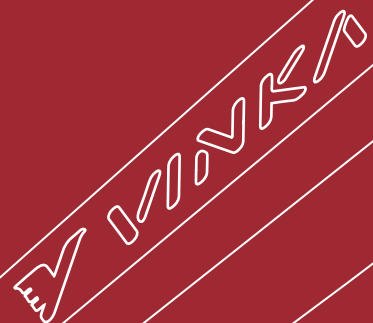


SUZHOU WANJIA ELECTRIC CO., LTD.

苏州万佳电器有限公司

www.vinka.jp

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



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Who we are

COMPANY PROFILE

Founded in 2003, with a registered capital of 50 million yuan, Suzhou Wanjia Electric Co., Ltd. (VINKA) is a national high-tech enterprise and SRDI 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、专精特新企业，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。

20 +

公司成立至今20余年

100 +

专利数量100余项

470 +

员工人数470人

30000 +

占地面积30000余平

FIGURE OF VINKA

Originated from Japanese technology and relying on many years automotive parts R&D and manufacturing experience, VINKA now mainly focus on the R&D and manufacturing of torque sensors, mid-drive systems, hub drive systems and controllers 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.

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、轮毂驱动系统和控制器的研发与制造，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。



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 motor industry.

围绕“物联网+智能制造+大数据”的理念，VINKA电机旨在提供高端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，不断满足未来高端市场需求，致力于突破更新更广的行业空白。

DEVELOPMENT MILEPOST

2005

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

2011

通过IATF 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

IATF 16949 Quality Management Certification was certified.

Suzhou University Industry-academia-research institute was established.

The title of National High-tech Enterprise was awarded.

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.

2021

UL授权WTDP实验室
新厂区投产,面积增加到30000平方米
WTDP lab was authorized by UL.
30000 sqm new plant was built.

2023

万佳电器海外工厂筹建
导入自主研发自动化产线
Preparing for establishing VINKA European factory.
Importing self-developed automation production line.

>2005

>2011

>2017

>2021

>2023

>2003

>2008

>2014

>2019

>2022

2003

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

2008

获得OHSAS18001(ISO45001)体系认证并导入ERP/CRM/PLM/MES实现行业系统化管理体系
OHSAS18001(ISO45001) certification was obtained and ERP/CRM/PLM/MES was implemented to execute systematic management plan.

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.

2019

通过欧盟新安全标准EN15194-2017、ISO13849北美售后中心建立
EN15194-2017 certification and ISO13849 certification were obtained. North American after-sales center was set up.

2022

VINKA电机及控制器获得美国UL认证符合日本JIS认证
VINKA motors and controllers obtained US UL certification.
Complied with Japan JIS Industrial Standards.

VINKA HISTORY

CERTIFICATES
AUTH

管理体系认证

Obtained certificates including ISO9001, ISO14001, OHSAS18001(ISO45001), IATF 16949, GB/T29490, ISO27001
拥有ISO9001、ISO14001、OHSAS18001(ISO45001)、IATF 16949、GB/T29490、ISO27001等管理体系认证

Management System Certification

UL Certification

UL认证

Certified by US UL certification
获得美国UL认证

EN认证

Certified by EU EN certification
获得欧盟EN认证

EN Certification

JIS Certification

JIS认证

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



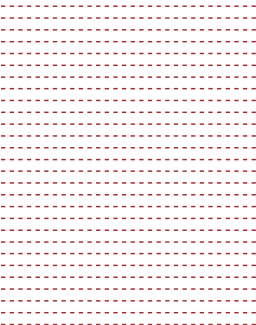
荣誉资质



国家级高新技术企业
National High and New
Technology Enterprise

国家级知识产权贯标企业
National IP Management
Certification Enterprise

两化融合贯标示范企业
Integration of Informatization
and Industrialization
Management System



江苏省中置电机与力矩传感器
动力系统工程研究中心
Jiangsu Provincial Engineering
Research Center of Mid-motors
and Torque sensor for Electric
Power System

江苏省四星上云示范企业
Provincial Four-star Cloud
Enterprise

江苏省专精特新企业
Jiangsu Provincial
Technologically Advanced
Small and Medium-sized
Enterprise

苏州市企业技术中心
Suzhou Municipal Enterprise
Technology Center

苏州市工业设计中心
Suzhou Municipal Industrial
Design Center

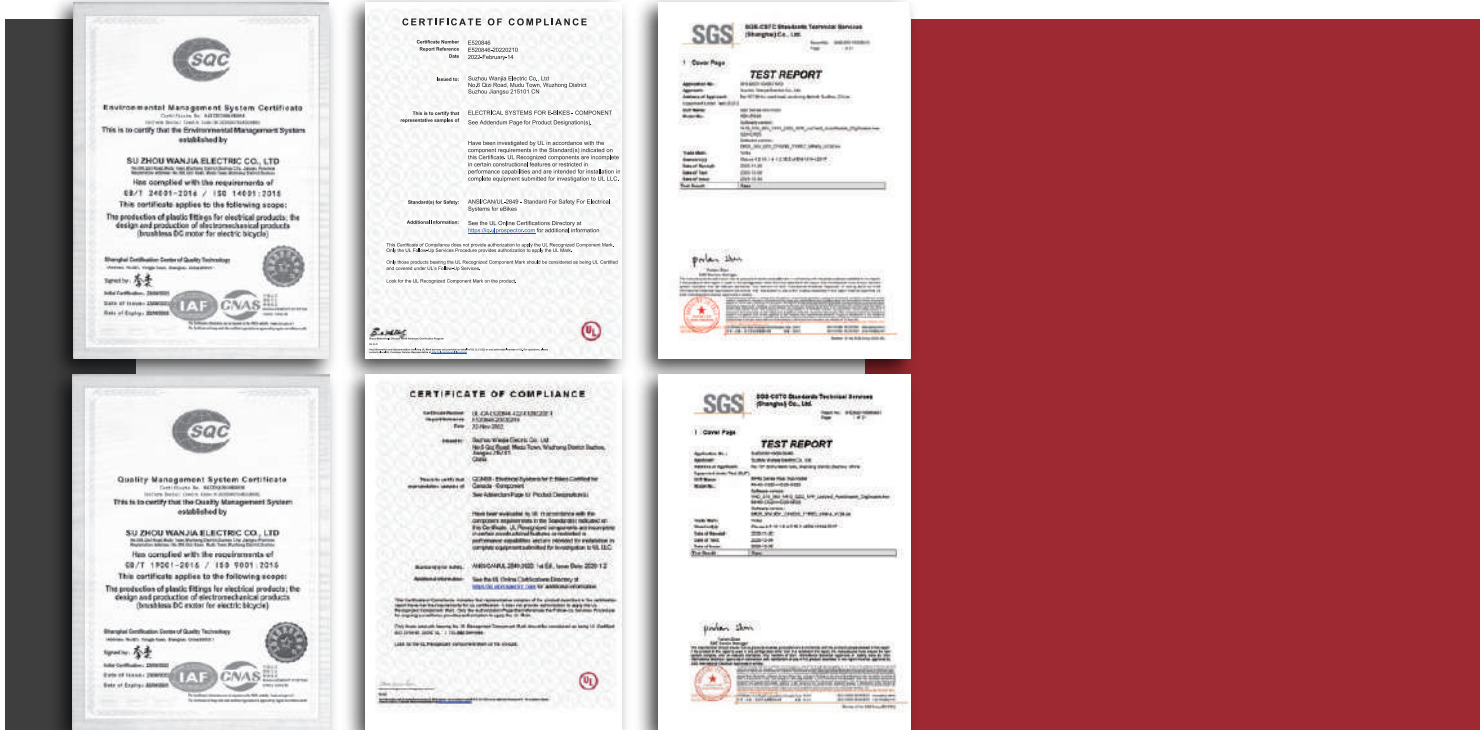
苏州市瞪羚企业
Suzhou Municipal
Gazelle Enterprise

苏州科技领军人才企业
Suzhou Municipal Leading
Science and Technology
Talents Enterprise

苏州大学车联网研究中心
Soochow University IoV
Research Center

中国自行车协会行业标准
起草成员单位
Industry Standard Draft
Group Member of China
Bicycle Association

More...





BRAND ADVANTAGES

品牌优势



Technologies from Japan 源于日本技术

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



Automated Manufacturing 自动化精密制造

Self-developed industry-leading automated and semi-automated precision manufacturing and intelligent testing equipment.
自主研发行内领先的自动化、半自动化精密制造和智能检测设备



VINKA Company Scale 规模与资本

Covering an area of 30,000+ square meters in China.
Investing the operation of R&D, manufacturing, sales and after-sales in Europe.
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



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



Manufacturing and Quality 制造与品控

High integrated automation equipment and self manufacturing rate of core components.
Full process of MES tracking.
高集成度自动化设备、核心部件均为自主加工
全工序级别的全检品控/MES追踪



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



Management System 管理体系

Obtained certificates including ISO9001, ISO14001, OHSAS18001(ISO45001), IATF 16949, GB/T29490, ISO27001.
拥有ISO9001、ISO14001、OHSAS18001(ISO45001)、IATF 16949、GB/T29490、ISO27001等管理体系认证



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、自动化等各领域的综合队伍



Global Patents 全球专利

100+ global technology licensed patents.
50+ patents have been applied.
获得国内外技术授权专利100余项
在途申请专利50余项

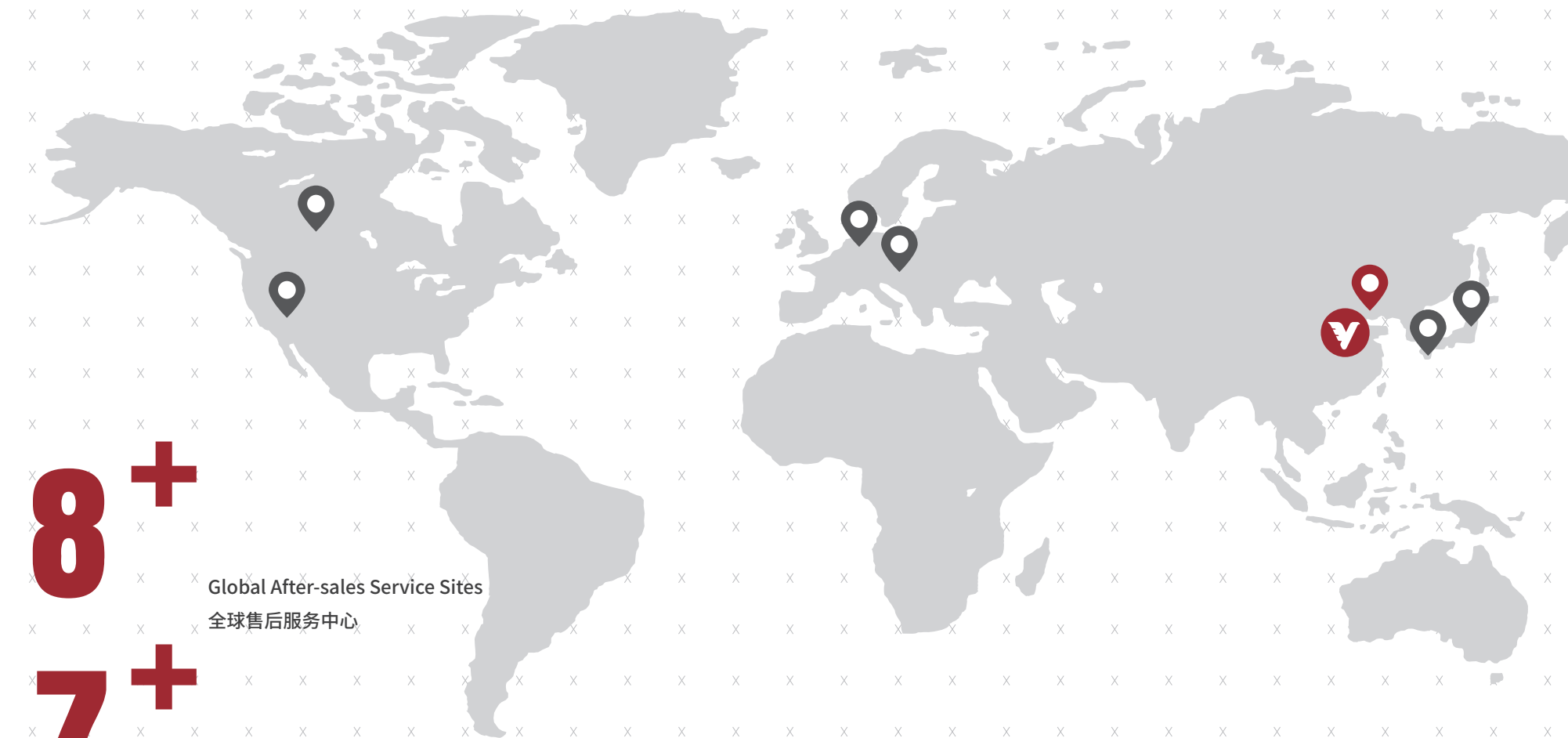


Overseas After-sales 海外售后

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

GLOBAL FOOTPRINT

AFTER-SALES SERVICE SITES



8+

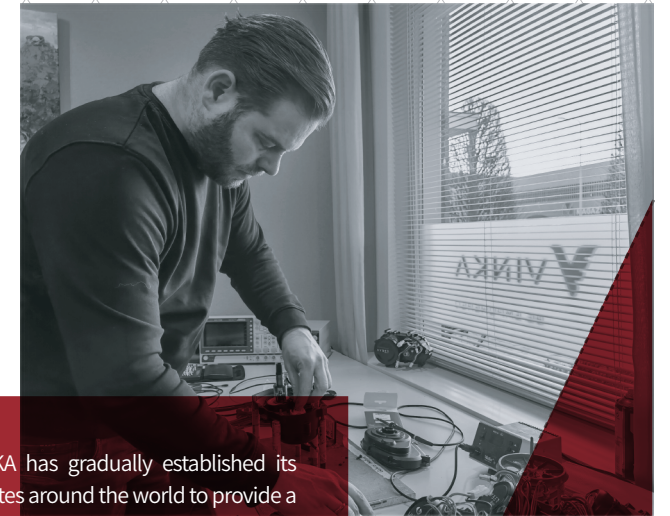
Global After-sales Service Sites
全球售后服务中心

7+

Years of Operation
海外独立运营年份

China Headquarters
总部售后中心

Global After-sales Sites
全球售后中心



Since 2017, VINKA has gradually established its own after-sales sites around the world to provide a range of services for customers.

VINKA has a team of experienced full-time foreign engineers with profound professional knowledge and ability. Meanwhile, the centers are equipped with professional diagnostic tools, repair equipment and testing instruments. A rapid response mechanism has been established to provide convenient and efficient services to customers worldwide.

自2017年起, VINKA逐步在全球建立售后服务中心, 为客户提供测试、维修、换新、升级等系列服务。

万佳拥有一支经验丰富的全职外籍工程师团队, 具备深厚的专业知识和能力。同时, 售后服务中心配备了专业的诊断工具、维修设备和测试仪器, 并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。

MORE THAN SALES

SUZHOU (Headquarters)

No.6 Qizi Road, Mudu Town, Wuzhong District, Suzhou, China

TIANJIN

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

THE NETHERLANDS

Industrieweg 9, 7641 AT, Wierden, Netherlands

CZECH REPUBLIC

Tovární16, Moravska Trebova, 571 01.
Czech Republic

AMERICA

3207 Claremont Avenue, Albuquerque NM 87107

CANADA

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

JAPAN

2- 4-1, Minamihonmachi, Chuo-ku, Osaka-shi, Osaka

JAPAN

3-3-2, Kotobuki, Taito-ku, Tokyo

VINKA SUSTAINABILITY

碳中和计划

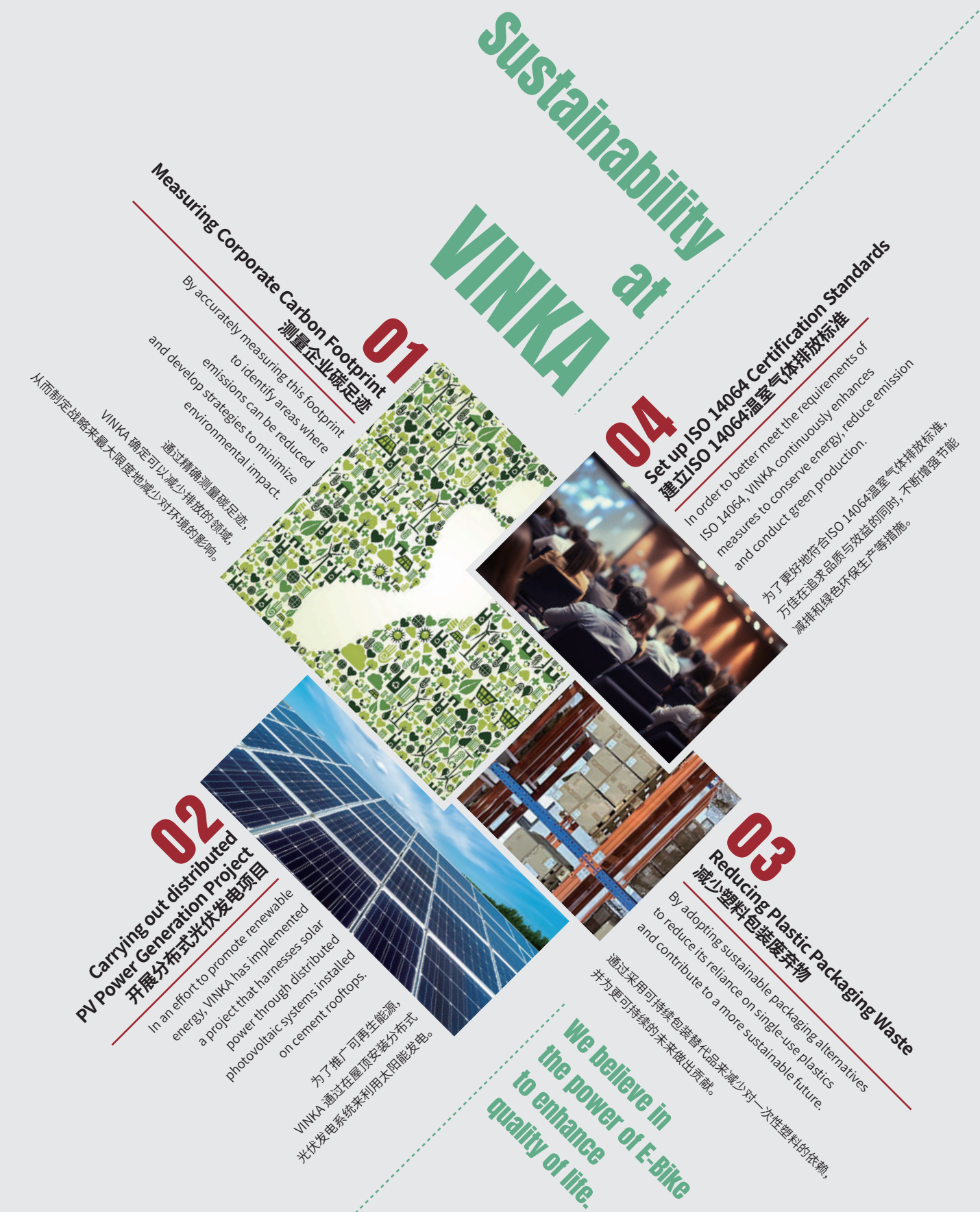
Contributing to the CO₂ reduction and creating a more electrical environment is the future trend, VINKA is committed to building a cleaner and more sustainable world.

In motor production, VINKA focuses on sustainability. Since 2004, VINKA has implemented ISO14001, OHSAS 18001(ISO45001) and ISO50001, carried out a 499KW distributed photovoltaic power generation project to save 600,000 kWh electricity annually, striving to meet the needs of SA8000. Last year, Vinka purchased 8 sets of energy-saving sewage equipment to strengthen the management of energy and water resources, implement material recycling to reduce pollutant emissions, etc.

减碳环保与电动化已成为未来趋势, VINKA致力于创建一个更清洁、更可持续发展的世界。

在电机生产过程中, 万佳注重可持续发展, 2004年起, 万佳陆续建立和实施ISO14001环境管理体系、OHSAS 18001(ISO45001)职业健康安全管理体系、ISO50001能源管理体系, 不断满足SA8000社会责任管理体系的要求; 2021年, 开展了499KW屋顶分布式光伏发电项目, 每年可节约60万度电; 2023年, 新采购8台节能排污设备, 加强了能源和水资源的管理, 实行物料循环利用, 减少污染物排放等。

Better planet, better life, better VINKA.



VINKA eBike Drive Systems

电机适配推荐

EBIKE DRIVE SYSTEM FOR ECITY

SPEED THROUGH THE CITY

Revolutionizing urban transportation,
E-Bikes are the solution to noisy cars and crowded streets,
offering a quiet, efficient, and personalized mode of mobility.

「探索城市, 畅享自由」

革新城市交通, 畅游都市风情。

绿色出行新潮流, 尽情享受城市的脉搏。

让城市成为你的游乐场!

让骑行成为城市探索的最佳方式, 让VINKA 电机成为你的城市新伙伴。

01 Z60 Mid Motor Series



① Motor

Model No./型号: **Z60**

Max Torque/最大扭矩: 80Nm

Rated Power/额定功率: 250W

Weight/电机净重: 1.9kg

Magnesium Alloy Design/镁合金设计

156mm compact size/156mm超窄电机
1.9kg of magnesium alloy/镁合金1.9kg轻量设计;
80Nm Max Torque/同等级80Nm超大扭矩

② Display

Model No./型号: **DC31**

Dimensions/尺寸: 58.4*34.8mm

Display Type/仪表类型: MiddleType

Screen Attribution/屏幕属性: TFT

02 V20 Mid Motor Series

① Motor

Model No./型号: **V20**

Max Torque/最大扭矩: 70Nm

Rated Power/额定功率: 250W

Weight/电机净重: 3.4kg

Double Clutch Design/双离合设计

② Display

Model No./型号: **DS26**

Dimensions/尺寸: 60*40mm

Display Type/仪表类型: Side Type

Screen Attribution/屏幕属性: LED

Good & Economic Companion
经济入门、城市搭档



03 C20 Mid Motor Series



① Motor

Model No./型号: **C20**

Max Torque/最大扭矩: 80Nm

Rated Power/额定功率: 250W

Weight/电机净重: 3.8kg

1st Classic Model/第一代经典款
Silent, Efficient & Stable/静音、高效、稳定



② Display

Model No./型号: **DS20**

Dimensions/尺寸: 85*59mm

Display Type/仪表类型: Side Type

Screen Attribution/屏幕属性: Segment

EBIKE DRIVE SYSTEM FOR ETREKKING

EXPLORE THE GREAT OUTDOORS

Embark on epic adventures and explore the great outdoors with an eTrekking bike, combining the joy of traditional cycling with the added electric power to conquer any terrain.

让骑行成为畅快飞翔的体验,感受城市节奏,享受环保未来。无尽充沛的动力,漫游大都市。
从现在开始,用轻松的踏板,开启城市的探险之旅!



Made by First Piece (Set) of Crucial High-Tech Equipment ;
首台(套)重大技术装备制造

① **Motor**
Model No./型号: **E50**
Max Torque/最大扭矩: 85Nm
Rated Power/额定功率: 250W
Weight/电机净重: 3.2kg

② **Display**
Model No./型号: **DS91**
Dimensions/尺寸: 79*17mm
Display Type/仪表类型: Side Type
Screen Attribution/屏幕属性: TFT

01 E50 Mid Motor Series

① **Motor**
Model No./型号: **RH40**
Max Torque/最大扭矩: 45Nm
Rated Power/额定功率: 250W
Weight/电机净重: 3.4kg

② **Display**
Model No./型号: **DS80**
Dimensions/尺寸: 53*62mm
Display Type/仪表类型: Side Type
Screen Attribution/屏幕属性: LCD

③ **Sensor**
Model No./型号: **TS20**
Control Type/类型: BB Torque Sensor

④ **Controller**
Model No./型号: **HC22**
Current Limit/限流: 12/14A



Quick & Efficient/流畅稳定
Fitting for Various Riding Modes/适用性广

02 RH40 Hub Motor Series

EBIKE DRIVE SYSTEM FOR EMTB

CONQUER YOUR OWN MOUNTAIN

Conquer the mountains and trails with ease and exhilaration on an eMTB, where the thrill of mountain biking meets the power of electric assistance, making every uphill climb a breeze.

「飞驰山林 探寻未知」
搭载VINKA电助力驱动系统，使山地车的霸道性能与城市骑行的便捷相结合，就像穿行在城市丛林中的勇士一样自信无畏。
无论是攀登陡峭的坡道还是穿梭在车流之间，都能轻松应对。



Double Clutch Design/双离合设计
Natural and Seamlessly Riding Feeling/断电骑行舒适体验

01 E30 Mid Motor Series

- ① Motor
Model No./型号: E30
Max Torque/最大扭矩: 85Nm
Rated Power/额定功率: 250W
Weight/电机净重: 3.6kg
Shaft Standrad/出轴标准: ISIS轴
Double Clutch Design/双离合设计

- ② Display
Model No./型号: DC40
Dimensions/尺寸: 77*96mm
Display Type/仪表类型: Middle Type
Screen Attribution/屏幕属性: TFT



Powerful Energy/动力强劲

02 RH70 Hub Motor Series

- ① Motor
Model No./型号: RH70
Max Torque/最大扭矩: 45Nm
Rated Power/额定功率: 250W
Weight/电机净重: 4.1kg

- ② Display
Model No./型号: DC22
Dimensions/尺寸: 77*98mm
Display Type/仪表类型: Middle Type
Screen Attribution/屏幕属性: Segment

- ③ Sensor
Model No./型号: TS70
Control Type/类型: BB Torque Sensor

- ④ Controller
Model No./型号: HC22
Current Limit/限流: 12/14A

EBIKE DRIVE SYSTEM FOR EROAD/EGRAVEL

ROADS WITH FASTER TRAFFIC

Experience the freedom of effortlessly cruising on a sleek and lightweight eRoad bike, where the combination of aerodynamics and electric power enables you to effortlessly cover long distances.

「畅行城市 自在风驰」
轻松征服每一条街道，感受速度与激情的融合。
一起翻越城市的高楼大厦，俯瞰繁华都市，尽情享受骑行的乐趣！

01 S20 Mid Motor Series



Hidden Motor/下管式隐藏电机
Innovative & Premium/创新高端设计

① Motor

Model No./型号: **S20**
Max Torque/最大扭矩: 70Nm
Rated Power/额定功率: 250W
Weight/电机净重: 2.9kg/2.6kg
Shaft Standrad/出轴标准: ISIS轴

② Display

Model No./型号: **DC35**
Dimensions/尺寸: 47.4*64.2mm
Display Type/仪表类型: Middle Type
Screen Attribution/屏幕属性: TFT

02 RH60i Hub Motor Series

① Motor

Model No./型号: **RH60i**
Max Torque/最大扭矩: 35Nm
Rated Power/额定功率: 250W
Weight/电机净重: 1.8kg

② Display

Model No./型号: **DS80**
Dimensions/尺寸: 53*62mm
Display Type/仪表类型: Side Type
Screen Attribution/屏幕属性: LCD

③ Sensor

Model No./型号: **TS20**
Control Type/类型: BB Torque Sensor

④ Controller

Model No./型号: **HC22**
Current Limit/限流: 12/14A



Light & Efficient/精致轻巧
High Efficient/高效率性能

03 HR40i Hub Motor Series



Quick Release Design/筒轴设计
Small but Efficient/小巧精干

① Motor

Model No./型号: **HR40i**
Max Torque/最大扭矩: 40Nm
Rated Power/额定功率: 250W
Weight/电机净重: 2.5kg

② Display

Model No./型号: **DS91**
Dimensions/尺寸: 79*17mm
Display Type/仪表类型: Side Type
Screen Attribution/屏幕属性: TFT

③ Sensor

Model No./型号: **TS20**
Control Type/类型: BB Torque Sensor

④ Controller

Model No./型号: **HC22**
Current Limit/限流: 12/14A

EBIKE DRIVE SYSTEM FOR ECARGO

Experience the future of transportation with eCargo – Redefining efficient and eco-friendly deliveries everywhere!

「解锁新交通时代」
体验未来交通方式 eCargo 让每一次出行都充满惊喜与便捷！

ECARGO
LEADS
THE WAY

EBIKE DRIVE SYSTEM FOR EFAT

Conquer snow-covered landscapes and sandy beaches alike with an eFat bike, designed with wider tires and powerful electric assistance to provide unmatched stability and control.

「征服雪域 畅想冬日」
踏过城市街道，征服沙滩雪地，畅享骑行乐趣；
VINKA 助力你畅游一切美好。无论山野还是水泥路，
无论冬日还是夏日，一起探索骑行新视角，尽情释放自我，畅享生活！

CYCLE
WITH POWER
AND STABILITY



150Nm Max Torque/超大扭矩

01
C37 Mid Motor Series

- ① Motor
Model No./型号: C37
Max Torque/最大扭矩: 150Nm
Rated Power/额定功率: 750W
Weight/电机净重: 4.5kg
Shaft Standrad/出轴标准: ISIS轴

- ② Display
Model No./型号: DC22
Dimensions/尺寸: 77*98mm
Display Type/仪表类型: Middle Type
Screen Attribution/屏幕属性: Segment

- ③ Bracket
Model No./型号: BK-C1/C2



High Torque/大扭矩
Powerful Energy/动力强劲

01
RH75 Hub Motor Series

- ① Motor
Model No./型号: RH75
Max Torque/最大扭矩: 65Nm
Rated Power/额定功率: 500W
Weight/电机净重: 4.1kg

- ② Display
Model No./型号: DS20
Dimensions/尺寸: 85*59mm
Display Type/仪表类型: Side Type
Screen Attribution/屏幕属性: Segment

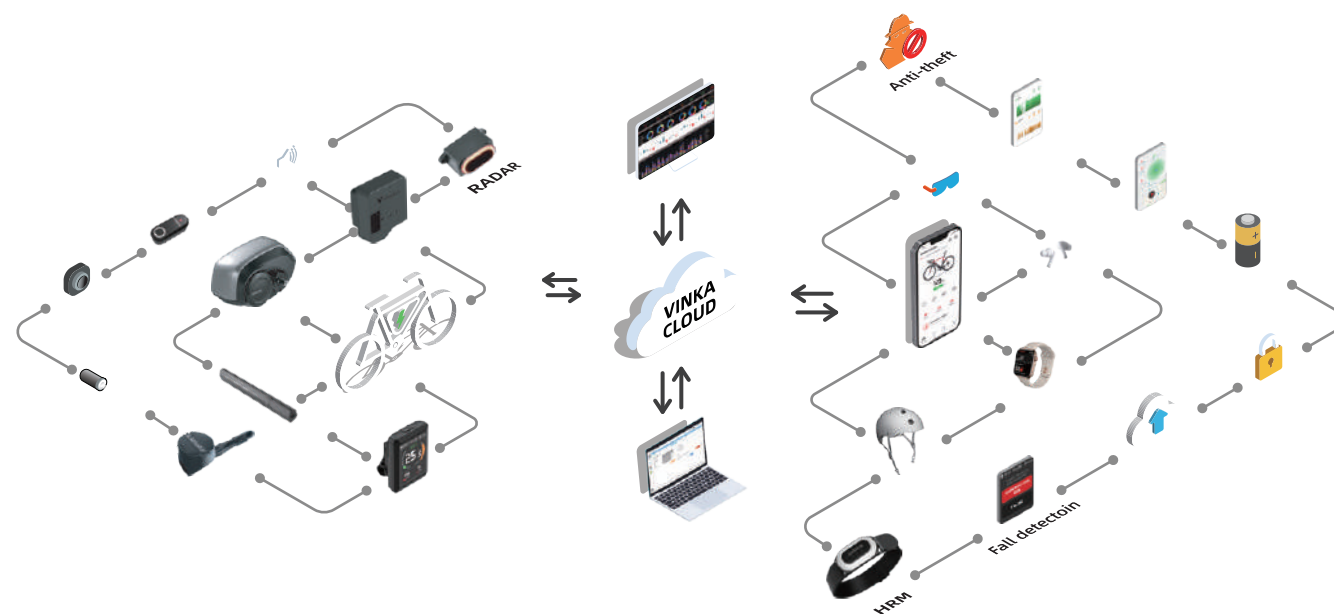
- ③ Sensor
Model No./型号: TS70
Control Type/类型: BB Torque Sensor

- ④ Controller
Model No./型号: HC30
Current Limit/限流: 10/12/16A

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.

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。



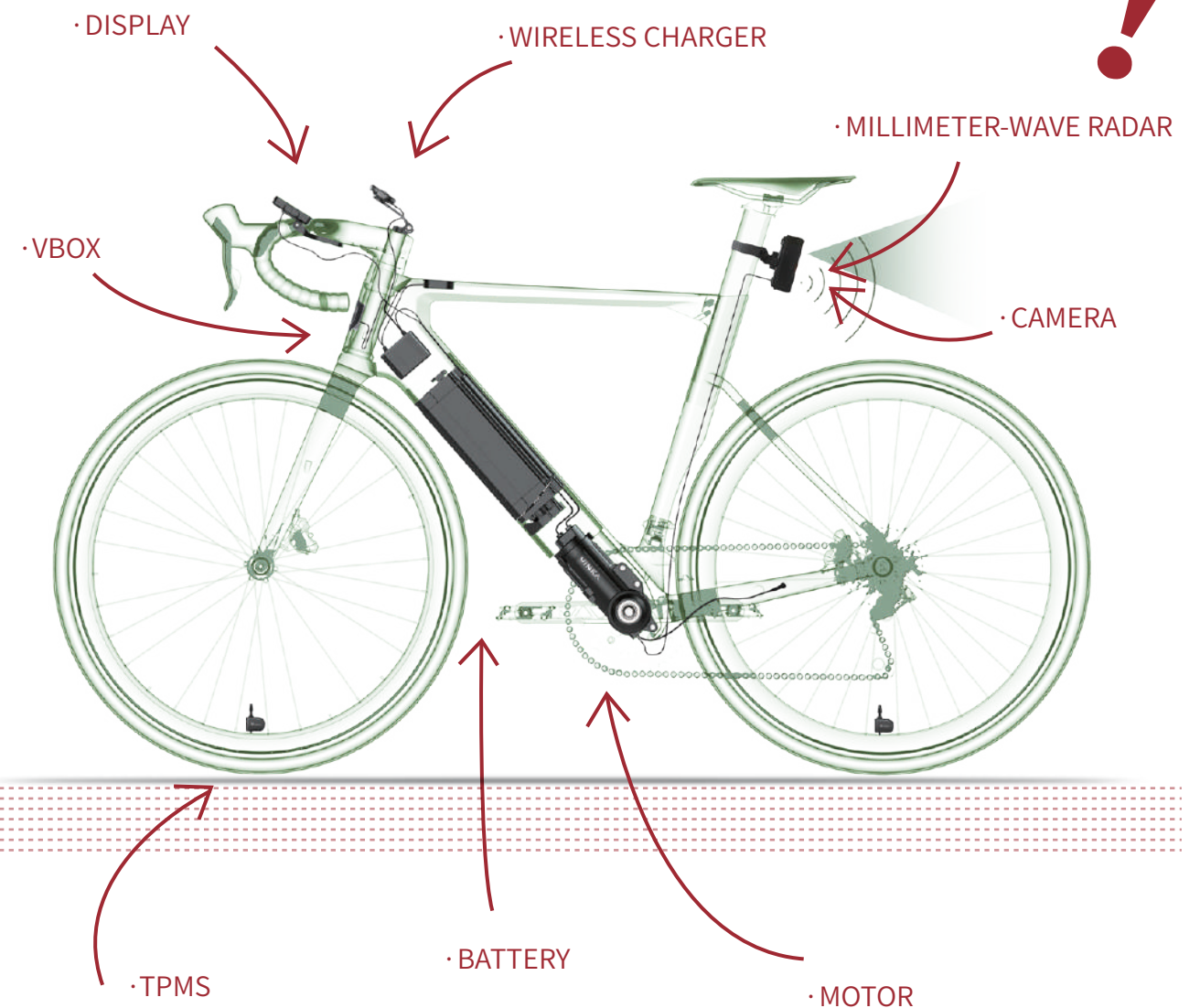
“

The VINKA IoT 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.

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。



CYCLING IS SMART!



VINKA LIFE APPLICATION

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。



red dot winner 2023



Download on the App Store



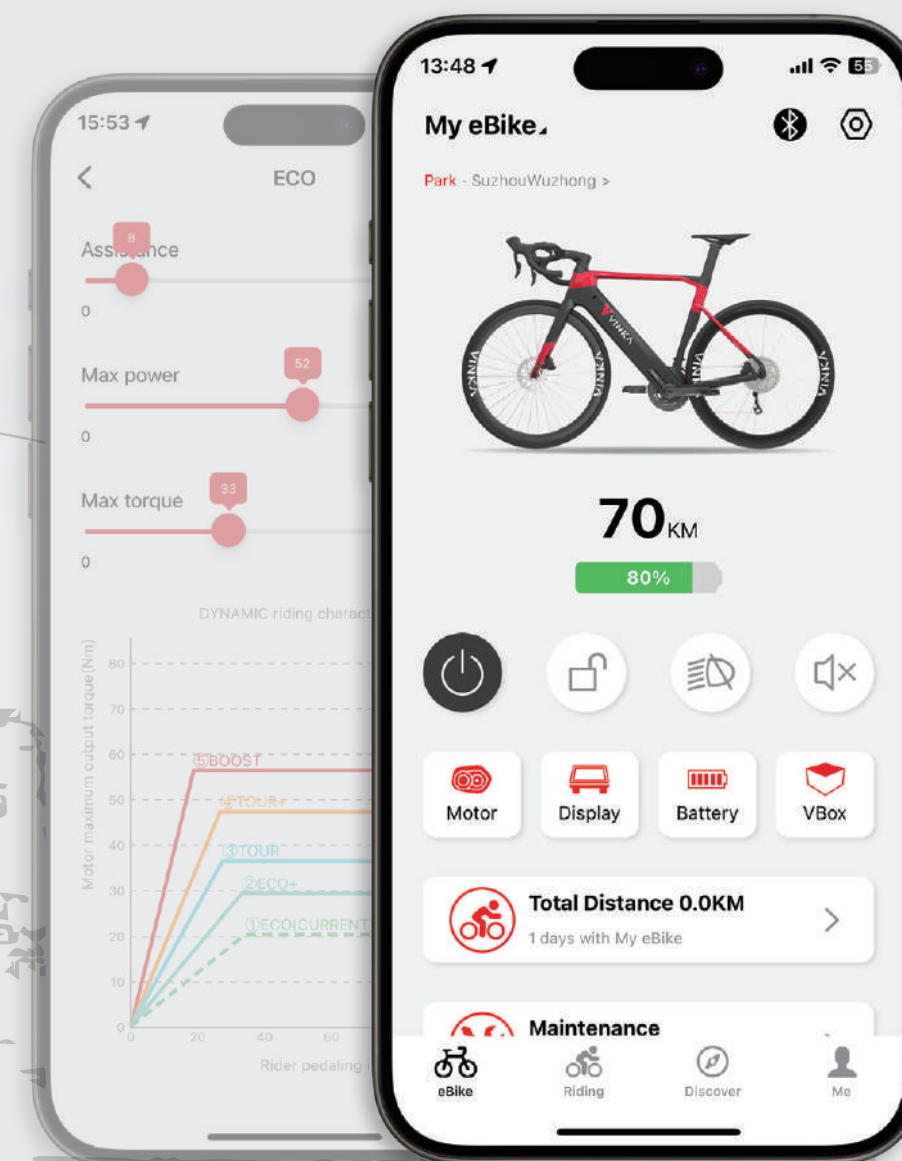
GET IT ON Google Play



Download APK Android

Get  intelligent riding by VINKA Life

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



EBIKE STATUS AT A GLANCE

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。



Sharing
骑行打卡



Synchronising Navigation with
Display
仪表显示导航信息



Riding Modes Adjustments
骑行模式调整



OTA Update
OTA更新



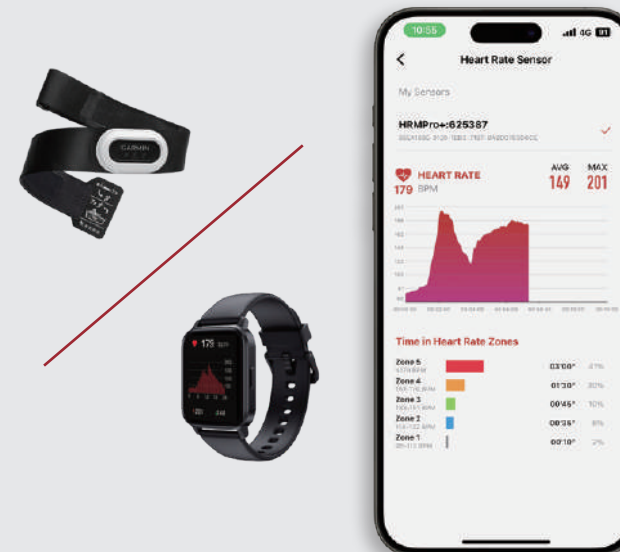
Remote eBike Control
远程操控



Geofence
电子围栏



Anti Theft Alert
防盗提醒



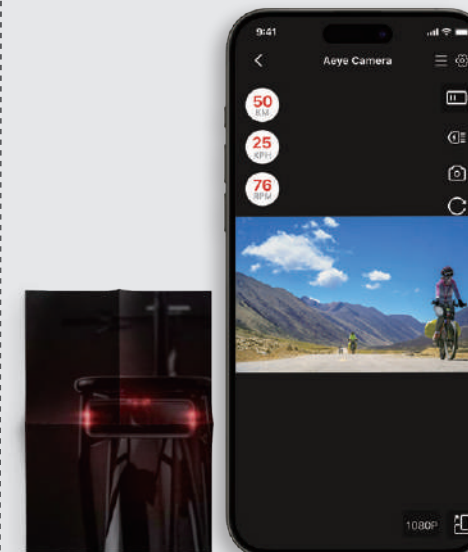
HRM & Watch 01

Monitoring heart rate zones, tracking fitness levels, and optimizing training for better performance and health.

监测心率区、记录体能状况、并优化训练。



All these functions
can also be used
on mobile devices
via the app,
which is available
for all bikes with IoT.



Camera Millimeter-wave radar 02

Rearview radars for cyclists can help you to keep alert to vehicles approaching you from behind. It can be paired with smartphone apps or other devices.

利用AI驱动系统,自行车后视雷达监测系统可以实时监测后方车辆情况,并予以警示。可以与自行车电脑、智能手机应用程序或其他设备配对。

Wireless charger 03

Wireless Charging, also known as Inductive Charging, is a convenient and cable-free way to charge your electronic devices.

无线充电又称为感应式充电,可让您无需使用充电线即可轻松为电子装置充电。

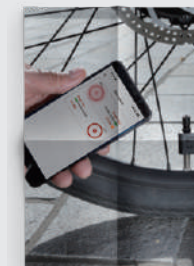


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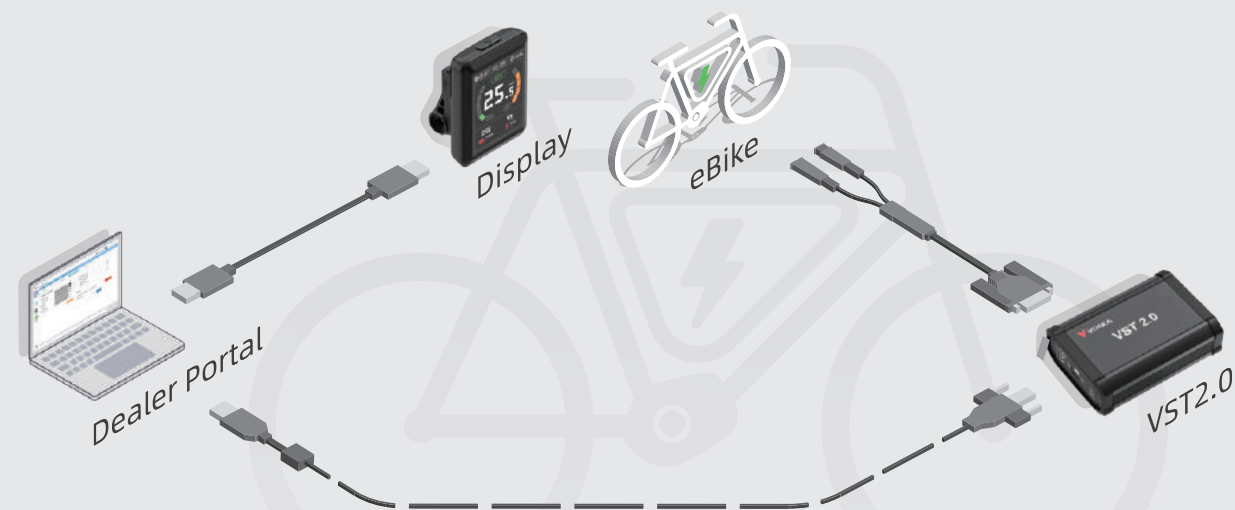
TPMS

Monitoring tire pressure and temperature in real-time and providing prompt alerts to the riders.

实时监测轮胎气压和温度,并向骑行者及时发出警报,确保轮胎始终处于最佳状态。



VINKA DIAGNOSIS SYSTEM



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VST20售后诊断工具, 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驱动诊断系统
(包括电机/仪表/电池/VBox以及整车的诊断)



Customer Maintenance Center
客户维护中心



eBike Configuration Report
电机配置和升级中心



After-sales Service Site
售后服务网点



Professional Diagnosis Report
专业诊断报告



eBike Data Center
电机档案中心

01

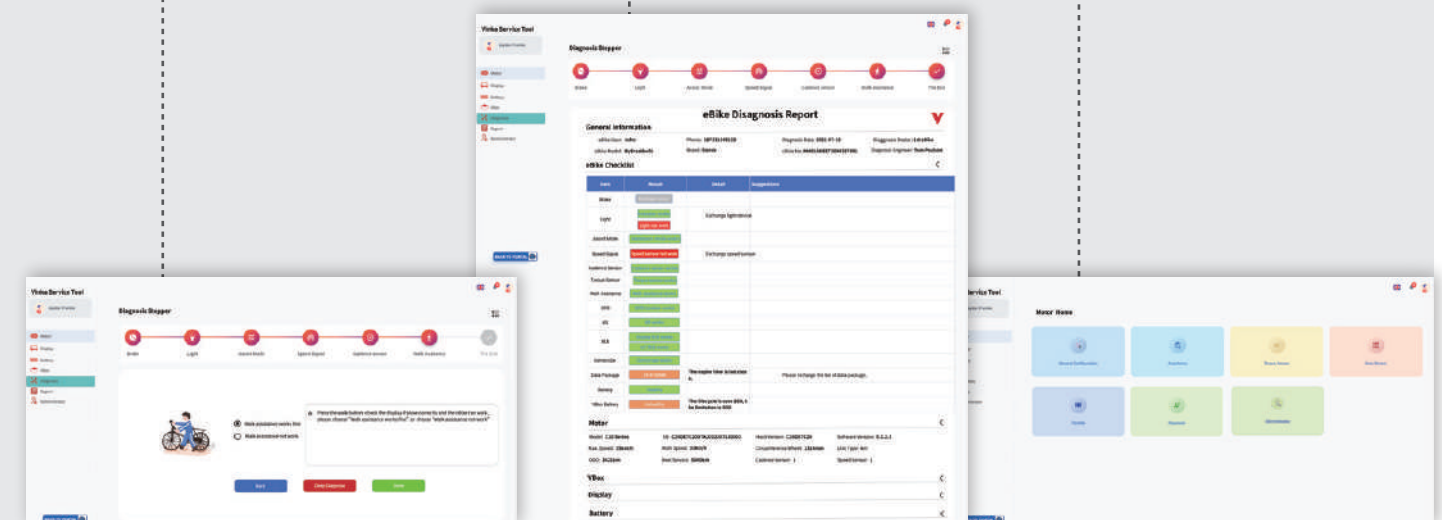
Diagnosis System
诊断系统

02

Diagnosis Report
诊断报告

03

eBike Data
一车一档





Mid-motor

Mid-motor



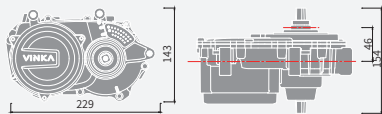
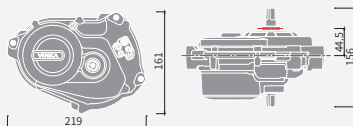
V20 Series



G20 Series



Dimensions/电机尺寸



Usage/推荐车型



eCity



eCity



eTrekking



eMTB

NO.	Model No. /编号	V20	C20	C21	C23	C24	C25
	Rated Voltage/额定电压(V)	36	36	36	48	48	48
	Rated Power/额定功率(W)	250	250	350	250	350	500
	Max Torque/最大扭矩(Nm)	70	80	85	80	85	90
	Position/位置	Mid-motor	Mid-motor				
	Weight/电机净重(kg)	3.4	3.8/4.0				
	Pedal Sensor/传感器类型	Cadence & Torque		Cadence & Torque			
	Efficient/效率	≥80%		≥80%			
	Shaft Standard/出轴标准	JIS		JIS			
	Light Drive Capacity/大灯供电参数	DC6V/3W		DC6V/3W			
	Operating Temp/工作温度	-20~45°C		-20~45°C			
	IP Rating/防水等级	IPX5		IPX5			
	Certification/认证	RoHS/CE/EN15194/ISO13849		RoHS/CE/EN15194/UL2849/ISO13849			
	Description/描述	A good companion for city eBike. 经济入门、城市搭档		Flagship model offering powerful, silent and nature riding support. 畅销经典款、高效高稳定输出			

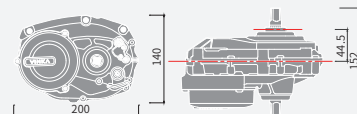
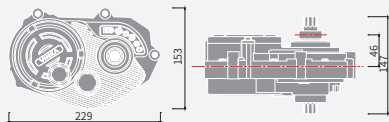
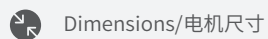
Mid-motor



G30 Series



E50 Series



NO.	Model No./编号	C37	E50	E51	E53
	Rated Voltage/额定电压(V)	48	36	36	48
	Rated Power/额定功率(W)	750	250	350	250
	Max Torque/最大扭矩(Nm)	150	85	85	85
	Position/位置	Mid-motor	Mid-motor		
	Weight/电机净重(kg)	4.5	3.2		
	Pedal Sensor/传感器类型	Cadence & Torque	Cadence & Torque		
	Efficient/效率	≥80%	≥80%		
	Shaft Standard/出轴标准	ISIS	JIS		
	Light Drive Capacity/大灯供电参数	DC12V/6W	DC6V/3W		
	Operating Temp/工作温度	-20~45℃	-20~45℃		
	IP Rating/防水等级	IPX5	IPX5		
	Certification/认证	-	RoHS/CE/EN15194/ISO13849		



More powerful than ever – yet smooth and silent.
高扭矩、可持续、低噪音的选择

A path breaking product from the automation line, sporty and natural.

智能制造、稳定可靠

Mid-motor



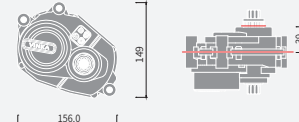
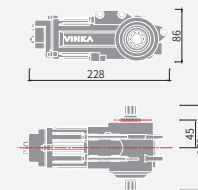
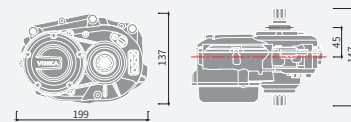
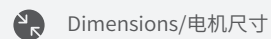
E30 Series



S20 Series



Z60 Series



No.	Model No. /编号	E30	E31	E33	E34	S20	S23	Z60
⚡	Rated Voltage/额定电压(V)	36	36	48	48	36	48	36
⚙️	Rated Power/额定功率(W)	250	350	250	350	250	250	250
🔋	Max Torque/最大扭矩(Nm)	85	90	85	90	70	70	80
📍	Position/位置	Mid-motor				Mid-motor		Mid-motor
⚖️	Weight/电机净重(kg)	3.6				2.9/2.6		1.9
🔊	Pedal Sensor/传感器类型	Cadence & Torque				Cadence & Torque		Cadence & Torque
⚙️	Efficient/效率	≥80%				≥80%		≥80%
🛡️	Shaft Standard/出轴标准	ISIS				ISIS		ISIS
💡	Light Drive Capacity/大灯供电参数	DC6V/3W				DC6V/3W		DC6V/3W; DC12V/6W
🌡️	Operating Temp/工作温度	-20~45°C				-20~45°C		-20~45°C
🌊	IP Rating/防水等级	IPX5				IPX5		IPX5
📜	Certification/认证	RoHS/CE/EN15194/ISO13849				RoHS/CE/EN15194/ISO13849		RoHS/CE/EN15194/ISO13849



Double clutch to offer natural and seamlessly riding feeling.
双离合设计、断电骑行舒适体验

Light and compact, elegant
integration into the downtube.
精致轻巧、隐藏式下管匹配设计

156mm compact size and 1.9kg,
but with 80Nm max torque.
156mm超窄超轻大扭矩电机、
适配所有轻型高端车架



Hub-motor

35

Hub-motor



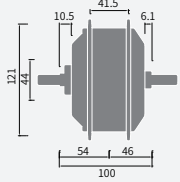
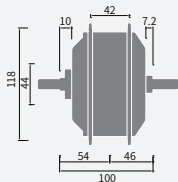
FH30 Series



FH30i Series



Dimensions/电机尺寸



Usage/推荐车型



eCity



eCity



eFolding

NO.	Model No. /编号	FH30	FH30i
	Rated Voltage/额定电压(V)	36	36
	Rated Power/额定功率(W)	250	250
	Max Torque/最大扭矩(Nm)	30	35
	Position/位置	Front Motor	Front Motor
	Weight/电机净重(kg)	2.7	2.3
	Wheel Size/支持轮径	20-29"	20-29"
	Installation Width(OLD)/安装开档尺寸(mm)	100	100
	Brake/刹车类型	V Brake/Disc Brake	V Brake/Disc Brake
	Spoke Specification/辐条参数	36H*13G	36H*13G
	Casette Wheel Supported/卡飞	-	-



Description/描述

Front hub motor, balanced performance, ideal choice for the entry level.
前驱轮毂、性能平稳、易于驾驭

Quiet inner runner motor with ease and flexibility.
前驱内转子、静音控制、轻巧灵活

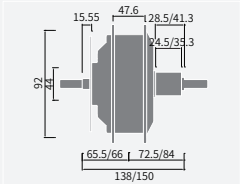
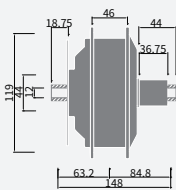
36

Hub-motor



HR40i SeriesRH60i Series

Dimensions/电机尺寸



Usage/推荐车型



NO.	Model No. /编号	HR40i	RH60i
	Rated Voltage/额定电压(V)	36	36
	Rated Power/额定功率(W)	250	250
	Max Torque/最大扭矩(Nm)	40	35
	Position/位置	Rear Motor	Rear Motor
	Weight/电机净重(kg)	2.5	1.8
	Wheel Size/支持轮径	20-29"	20-28"
	Installation Width(OLD)/安装开档尺寸(mm)	148	138/150
	Brake/刹车类型	V Brake/Disc Brake	V Brake/Disc Brake
	Spoke Specification/辐条参数	36H*13G	36H*12G/36H*13G
	Cassette Wheel Supported/卡飞	Only Cassette Wheel Supported	Optional

Description/描述

Thru-axle release design with high performance.
筒轴设计、小巧精干

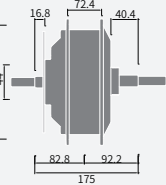
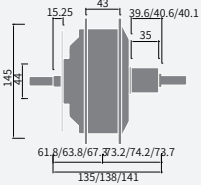
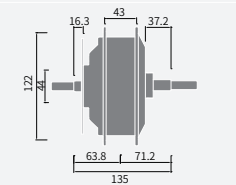
Light and compact, delivering nature assistance.
轻巧别致、骑行流畅

Hub-motor



RH30 SeriesRH40 SeriesRH70 Series

Dimensions/电机尺寸



Usage/推荐车型



NO.	Model No. /编号	RH30	RH40	RH41	RH45	RH70	RH71	RH75	RH77
	Rated Voltage/额定电压(V)	36	36	36	48	36	36	48	48
	Rated Power/额定功率(W)	250	250	350	500	250	350	500	750
	Max Torque/最大扭矩(Nm)	35	45	45	45	45	55	65	75
	Position/位置	Rear Motor	Rear Motor	Rear Motor	Rear Motor	Rear Motor	Rear Motor	Rear Motor	Rear Motor
	Weight/电机净重(kg)	2.8	3.4	3.4	3.4	4.1	4.1	4.1	4.1
	Wheel Size/支持轮径	20-29"	20-29"	20-29"	20-29"	20-29"	20-29"	20-29"	20-29"
	Installation Width(OLD)/安装开档尺寸(mm)	135	135/138/141	135/138/141	135/138/141	175	175	175	175
	Brake/刹车类型	V Brake/Disc Brake	V Brake/Disc Brake	V Brake/Disc Brake	V Brake/Disc Brake	V Brake/Disc Brake	V Brake/Disc Brake	V Brake/Disc Brake	V Brake/Disc Brake
	Spoke Specification/辐条参数	36H*13G	36H*13G	36H*13G	36H*13G	36H*13G	36H*13G	36H*13G	36H*13G
	Cassette Wheel Supported/卡飞	-	Optional	Optional	Optional	-	-	-	-

Description/描述

Economic choice with smooth pedaling experience.
入门级后驱电机、经济高效输出平稳

Quick and efficient, fits for various riding modes.
流畅稳定、适用性广

Powerful and responsive.
强劲动力、大功率输出



Accessories

Display



NO.	Model No. /编号	DS26	DS80	DR25
	Dimensions/尺寸(mm)	60*40	53*62	64*45
	Rated Voltage/额定电压(V)	36/48	36/48	36/48
	Installation Size/安装横把直径	φ22.2/31.8	φ22.2	φ22.2
	Display Type/仪表类型	Side Type	Side Type	Side Type
	Screen Attribution/屏幕属性	LED	LCD	LED
	Com. Protocol/通讯协议	UART/CAN	UART/CAN	UART
	Operating Temp./工作温度	-20~60°C	-20~70°C	-20~60°C
	IP Rating/防水等级	IPX7	IPX5	IPX6
	Certification/认证	RoHS/CE/ISO13849	RoHS/CE/EN15194	RoHS/CE/EN15194/UL



NO.	Model No. /编号	DS20	DS91	DS33
	Dimensions/尺寸(mm)	85*59	79*17	82*48
	Rated Voltage/额定电压(V)	36/48	36/48	36/48
	Installation Size/安装横把直径	φ22.2	φ22.2	φ22.2
	Display Type/仪表类型	Side Type	Side Type	Side Type
	Screen Attribution/屏幕属性	Segment	TFT	TFT
	Com. Protocol/通讯协议	UART	UART/CAN	UART
	Operating Temp./工作温度	-20~60°C	-20~70°C	-20~60°C
	IP Rating/防水等级	IPX5	IPX5	IPX6
	Certification/认证	RoHS/CE/ISO13849	RoHS/CE/EN15194	RoHS/CE/EN15194

Display



NO.	Model No. /编号	DC22	DC31
	Dimensions/尺寸(mm)	77*98	58.4*34.8
	Rated Voltage/额定电压(V)	36/48	36/48
	Installation Size/安装横把直径	φ22.2/25.4/31.8	φ31.8
	Display Type/仪表类型	Middle Type	Middle Type
	Screen Attribution/屏幕属性	Segment	TFT
	Com. Protocol/通讯协议	UART	UART/CAN
	Operating Temp./工作温度	-20~60℃	-20~60℃
	IP Rating/防水等级	IPX6	IPX6
	Certification/认证	RoHS/CE/EN15194/UL2849	RoHS/CE/EN15194



NO.	Model No. /编号	DC35	DC40
	Dimensions/尺寸(mm)	47.4*64.2	77*96
	Rated Voltage/额定电压(V)	36/48	36/48
	Installation Size/安装横把直径	φ22.2/25.4/31.8	φ22.2/25.4/31.8/35
	Display Type/仪表类型	Middle Type	Middle Type
	Screen Attribution/屏幕属性	TFT	TFT
	Com. Protocol/通讯协议	UART/CAN	UART/CAN
	Operating Temp./工作温度	-10~60℃	-20~60℃
	IP Rating/防水等级	IPX5	IPX6
	Certification/认证	RoHS/CE/EN15194	RoHS/CE/EN15194/REACH

Controller



		HC22	HC30
	Dimensions/尺寸(mm)	90*51*31	112*53*29
	Model No. /编号	FOC Motor Controller	FOC Motor Controller
	Rated Power/额定功率(W)	250/350	350/500/750
	Rated Voltage/额定电压(V)	36/48	36/48
	Com. Protocol/通讯协议	UART	UART
	E-Brake Lever/断电刹把	Available	Available
	Throttle Voltage/转把电压(V)	1.0~4.3V	1.0~4.3V
	Hall Sensor/霍尔传感器	Available	Available
	Support Mode/助力档位	0~5	0~5
	Walk Assistance/推行速度	3~6km/h Optional	3~6km/h Optional
	Light Drive Capacity/大灯电压	DC6V/3W	DC6V/3W
	Operating Temp./工作温度	-20~45°C	-20~45°C
	IP Rating/防水等级	IPX5	IPX5
	Certification/认证	RoHS/CE/UL2849/ISO13849	RoHS/CE/UL2849
	Current Limit/限流(A)	12/14	10/12/16

VBox



NO.	Model No. /编号	VBox30	Communication(With Phone)/交互方式(手机)	BLE/4G
	Dimensions/尺寸(mm)	52.3*60.33*27.7	Communication(With Driving Units)/交互方式(驱动系统)	CAN
	Rated Voltage/额定电压(V)	36-54	Location/定位	GPS/4G
	Operating Temp./工作温度	0-45℃	IP Rating/防水等级	IPX5

Sensors



TS20



TS70

NO.	Model No. /编号	BB Torque Sensor	BB Torque Sensor
	Dimensions/尺寸(mm)	68/73	100
	Pedal Sensor/传感器类型	Cadence & Torque	Cadence & Torque
	Input Voltage/输入电压(V)	9-16	9-16
	Measure Range/测量范围(Nm)	0-60	0-60
	Cadence/踏频参数	16/32 pulses/Rotation	16/32 pulses/Rotation
	Direction/方向信号	Available	Available
	IP Rating/防水等级	IPX5	IPX5
	Shaft Type/出轴类型	JIS	JIS
	Cable Position/线束位置	Side	Side
	Accuracy/精度	±2.5%	±2.5%



CS20



CS21



SS23

NO.	Model No. /编号	Side Mount Cadence Speed Sensor	Side Mount Cadence Speed Sensor	Speed Sensor
	Dimensions/尺寸(mm)	Diameter/φ15.2; Thickness/φ9.6	Diameter/φ15.2; Thickness/φ6.2	46.6*12.8*15.2
	Pedal Sensor/传感器类型	Cadence Intergrated	Cadence Intergrated	-
	Input Voltage/输入电压 (V)	5	5	5
	Measure Range/测量范围	0-255Rpm	0-255Rpm	-
	Cadence/踏频参数	12 pulses/Rotation	12/24 pulses/Rotation	-
	IP Rating/防水等级	IPX7	IPX7	IPX7
	Assambly Type/装配类型	Left Side	Left Side	Rear Wheel
	Assambly Distance/安装距离(mm)	-	-	<15

Motor Bracket



V Series



C Series



E Series



E Series

NO.	Model No. /编号	BK-V1	BK-C1/C2	BK-E1/E2	BK-E3
	Suitibility/适配机型	V2X	C2X/3X	E2X/3X/4X	E5X



S Series



S Series



S Series



S Series

NO.	Model No. /编号	BK-S1	BK-S2	BK-S3	BK-S4
	Suitibility/适配机型	S2X	S2X	S2X	S2X
	Downtube Set/下管类型	Nanyang 4 Pull down	EEL-MINI1 Pull up	EEL-MINI2 Pull down	IT21 Pull down

VINKA Service Tool



NO.	Model No. /编号	VST20
	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

OVERSEAS EXPANSION SMART MANUFACTURING 海外智造布局

Dear everyone,

Get ready for some fantastic news! In response to the trend of global market supply, Vinka Europe is actively preparing to establish a brand new overseas manufacturing facility. The initial construction of a new generation of automated production lines has been completed. We will continuously strive to break through to even higher levels of intelligent manufacturing capabilities in the e-Bike domain.

Vinka overseas factory not only features a comprehensive layout of automated equipment but also leverages the company's over two decades of foundational industrial capabilities for deployment abroad. The factory will offer the advantages of high self-manufacturing, low cost, and rapid response, providing updated and more comprehensive support to industry partners upstream and downstream.

亲爱的各位伙伴，

我们诚挚地邀请您关注一个激动人心的新动向：在积极应对全球化市场供给的趋势下，欧洲万佳正在筹备全新的海外制造工厂，新一代自动化制造产线已完成初期建设，我们将不断突破EBIKE领域更高端的智造能力。

万佳海外工厂不仅全面布局自动化设备，并且将企业积累二十余年的基础工业能力同步投放海外，届时自主配套的高自制率、低成本、快速反应的优势，将为行业上下游伙伴提供更新更全面的助力。

01.
Global Layout
全球化布局

02.
Intelligent Manufacturing
智能化制造

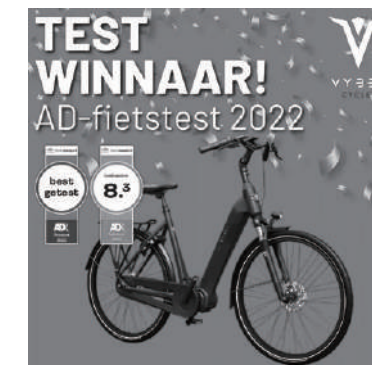
03.
Automated Production Line
自动化产线

04.
Origin Supply Chain
原产地供应链

05.
Factory-level After-sales Service
工厂级售后



STAR



MOMENTS

BE EPOWERED

VINKA is dedicated to providing customers with premium eBike drive systems. With our pursuit of excellence and passion for creating eBike drive systems, we are powering a greener future.

For the latest updates, please visit our official website "www.vinka.jp". We look forward to receiving your feedback and suggestions.

VINKA致力于通过为客户提供高端定位的电助力自行车驱动系统方案,打造一个更低碳、更环保、更有活力的生活方式。

如需了解最新信息,请访问我们的官方网站 "www.vinka.jp".
我们期待收到您的反馈和建议。

