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 **YIFA® 伊发**
股票代码 (Stock Code): 870154

Safety first, service oriented
安全为先 · 服务为本



伊发智能型充电站选型手册

SMART CHARGING STATION SELECTION MANUAL

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伊发控股集团有限公司
YIFA HOLDING GROUP CO.,LTD.



伊发大型现代化生产基地
YIFA Large-scale Modern Production Base



伊发控股集团是一家以智能化、环保化工业电气为主，涵盖金融、电商、贸易投资等多个产业的国家高新技术企业集团。中国企业500强，中国机械500强，国家星火计划企业，江西省名牌产品，江西省著名商标。国家电网、南方电网、轨道交通、石油石化、国家水利系统优质供应商。旗下江西伊发电力科技股份有限公司已于2016年挂牌上市，股票代码：870154。

集团主要开发、生产、销售光伏电站、风能变电站、环保气体绝缘环网柜、成套电气设备、高压及超高压变电设备、矿用高低压开关柜、矿用变压器、玻璃钢电表箱、不锈钢及透明型箱体、高低压元器件、电线电缆、防爆电器、建筑电器、仪器仪表等等低碳、节能、环保产品以及电力安装工程。其中变压器制造最大容量达到63000KVA，电压等级达220KV。

集团积极导入卓越绩效管理，推行精益生产，实施两化融合、智能制造，打造数字工厂，逐步沉淀形成了富有伊发特色的管理模式。公司在业内较早通过了ISO9001、ISO14001、ISO45001等管理体系认证，在持续增强产品既有技术优势的同时，积极推动产业高质量发展，在智能制造取得丰硕成果。公司长期开展信息化管理能力和智能制造能力的迭代升级，近几年实施应用ERP、PLM、OA、MES、WMS等系统，并大力投入检测设备、生产设备的改造，拥有功能完善的产品试验中心，研发能力、产品质量及可靠性不断提升，通过多系统信息集成以及信息管理系统的互联互通，实现设计、制造、物流、质量、服务等制造过程的数字化和信息化管理。并取得了上百个发明专利及实用新型专利，填补了国内空白。

集团公司注重品牌战略，坚持营销创新，以迅速、健康、持续的发展趋势跻身于电气行业前列。在激烈的市场竞争中，伊发在国网、南网屡屡中标，并先后中标北京亚运村、奥运会配套工程等国际知名招标项目，在国际舞台上赢得了广泛的知名度和影响力，引领“中国制造”走向“中国创造”。伊发产品广泛应用于国网、南网、高铁、城市化建设、油田、火电、水电、机场、钢铁公司、供气供暖等重点工程。产品远销日本、美国、俄罗斯、东南亚、中东、非洲等多个国家和地区。遵循一切服务于客户的思想理念，集团公司在国际国内均取得了良好的市场信誉。

科技缔造品质，实干成就梦想。展望未来，伊发将坚持专业化的发展战略，求真务实，开拓创新，以“缔造全球领先的变电企业，成就伊发百年的世界品牌”为目标，我们期望国内外同仁和广大客户一如既往地合作与支持，为“中国梦”贡献更多的力量。



2017年1月12日，伊发电力正式挂牌上市（股票代码：870154），标志着伊发进入资本运作元年！
On January 12, 2017, YIFA group was officially listed (stock code:870154). It marks the first year of YIFA capital operation!

伊发智慧智造基地

YIFA Intelligent Manufacturing Base



Brief of introduction

Yifa Holding Group is a national high-tech enterprise group mainly engaged in intelligent and environmental protection chemical industrial electric, covering finance, e-commerce, trade and investment and other industries. China's top 500 enterprises, China's top 500 machinery, National Spark plan enterprises, Jiangxi province famous brand products, Jiangxi province famous trademark. State Grid, China Southern Power Grid, rail transit, petroleum and petrochemical, national water conservancy system quality suppliers. Its subsidiary, Jiangxi Yifa Electric Power Technology Co., LTD., was listed in 2016 with stock code: 870154.

The group main development, production and sales of pv substation, wind power substation, environmental protection gas insulated ring network cabinet, complete sets of electrical equipment, high pressure and ultrahigh pressure, mine high and low voltage switchgear, mine transformer substation equipment, glass fiber reinforced plastic meter box, stainless steel type and transparent box, high and low voltage components, wire and cable, explosion-proof electric appliance, building electrical appliances, instruments and meters, and so on low carbon, energy saving, environmental protection Products and electrical installation works. The maximum capacity of transformer manufacturing reaches 63000KVA and the voltage grade reaches 220KV.

The group actively introduces performance excellence management, promotes lean production, implements the integration of the two industries, intelligent manufacturing, and builds a digital factory, gradually forming a management mode rich in lfa characteristics. The company has passed ISO9001, ISO14001, ISO45001 and other management system certification earlier in the industry. While continuously enhancing the existing technical advantages of products, it actively promotes the high-quality development of the industry and has achieved fruitful results in intelligent manufacturing. In recent years, the company has implemented the application of ERP, PLM, OA, MES, WMS and other systems, and invested heavily in the transformation of testing equipment and production equipment. It has a product test center with perfect functions, and its RESEARCH and development capabilities, product quality and reliability have been continuously improved. Through the multi-system information integration and the interconnection of information management system, the digital and information management of design, manufacturing, logistics, quality, service and other manufacturing processes can be realized. And obtained hundreds of invention patents and utility model patents, to fill the gap in China.

The group pays attention to brand strategy, insists on marketing innovation, and ranks in the forefront of electric industry with rapid, healthy and sustainable development trend. In the fierce market competition, Yifa won the bidding of The State Grid, the South net, and won the bidding of the Beijing Asian Games Village, Olympic Games supporting projects and other well-known international bidding projects. Yifa has won extensive popularity and influence on the international stage, leading the "Made in China" to "created in China". Yifa products are widely used in state grid, south grid, high-speed railway, urbanization construction, oil field, thermal power, hydropower, airport, steel company, gas supply and heating and other key projects. Products are exported to Japan, the United States, Russia, Southeast Asia, the Middle East, Africa and other countries and regions. Adhering to the philosophy of serving customers, the group has gained good market reputation both at home and abroad.

Science and technology to create quality, hard work to achieve dreams. Looking forward to the future, Yifa will adhere to the professional development strategy, realistic and pragmatic, pioneering and innovative, with the goal of "creating the world's leading substation enterprise and achieving Yifa's world brand for one hundred years". We look forward to the cooperation and support of colleagues and customers at home and abroad as always, and contribute more to the "Chinese dream".

企业荣誉

Enterprise Honor

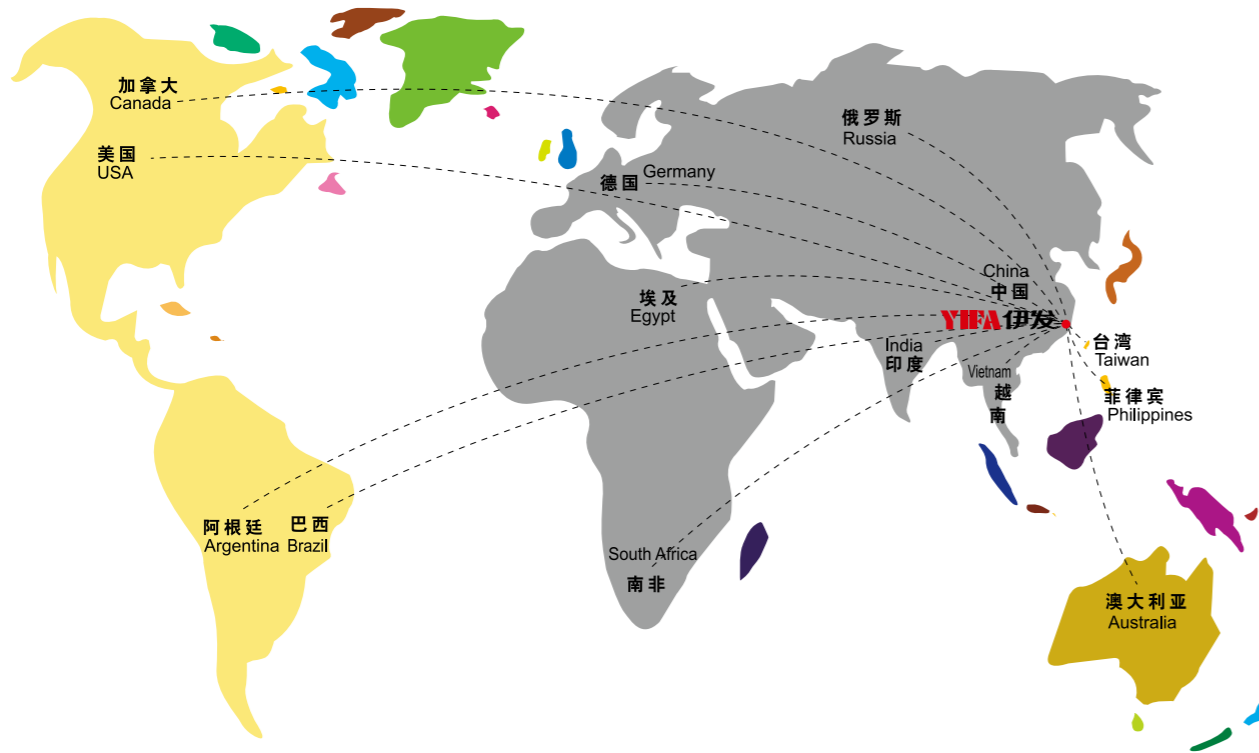
YIFA®伊发
股票代码:870154

上市公司 股票代码: 870154
国家电网/南方电网、水利交通A级供应商 中国民营500强企业/中国机械500强企业
国家高新技术企业/国家星火计划企业 国家专精特新“小巨人”企业
浙江省科技型企业/重合同守信用企业 江西省名牌产品/江西省著名商标

List Company Stock code:870154
State Grid/China Southern Power Grid and Water Conservancy and Transportation Grade A Supplier
Top 500 Chinese Private Enterprises/Top 500 Chinese Machinery Enterprises
National High-tech Enterprise/National Spark Plan Enterprise
National specialized, special and new "little giant" enterprise
Zhejiang Provincial Science and Technology Enterprise/Contract-abiding and Trustworthy Enterprise
Jiangxi Province Famous Brand Products/Jiangxi Province Famous Trademarks



★伊发部分荣誉证书展示



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中国国际电气文化节 越南电力暨自动化技术展览会
东盟（曼谷）中国进出口商品博览会 中国（印度）贸易博览会
China International Electrical Culture Festival
Vietnam Electric Power and Automation Technology Exhibition
Asean (Bangkok) China Import and Export Commodity Fair China (India) Trade Fair



产品远销日本、美国、俄罗斯、哈萨克斯坦、埃塞俄比亚、尼泊尔、越南、东南亚、中东、非洲等多个国家和地区
Products are exported to Japan, the United States, Russia, Kazakhstan, Ethiopia, Nepal, Vietnam, Southeast Asia, the Middle East, Africa and other countries and regions.

绿色智能充电解决方案

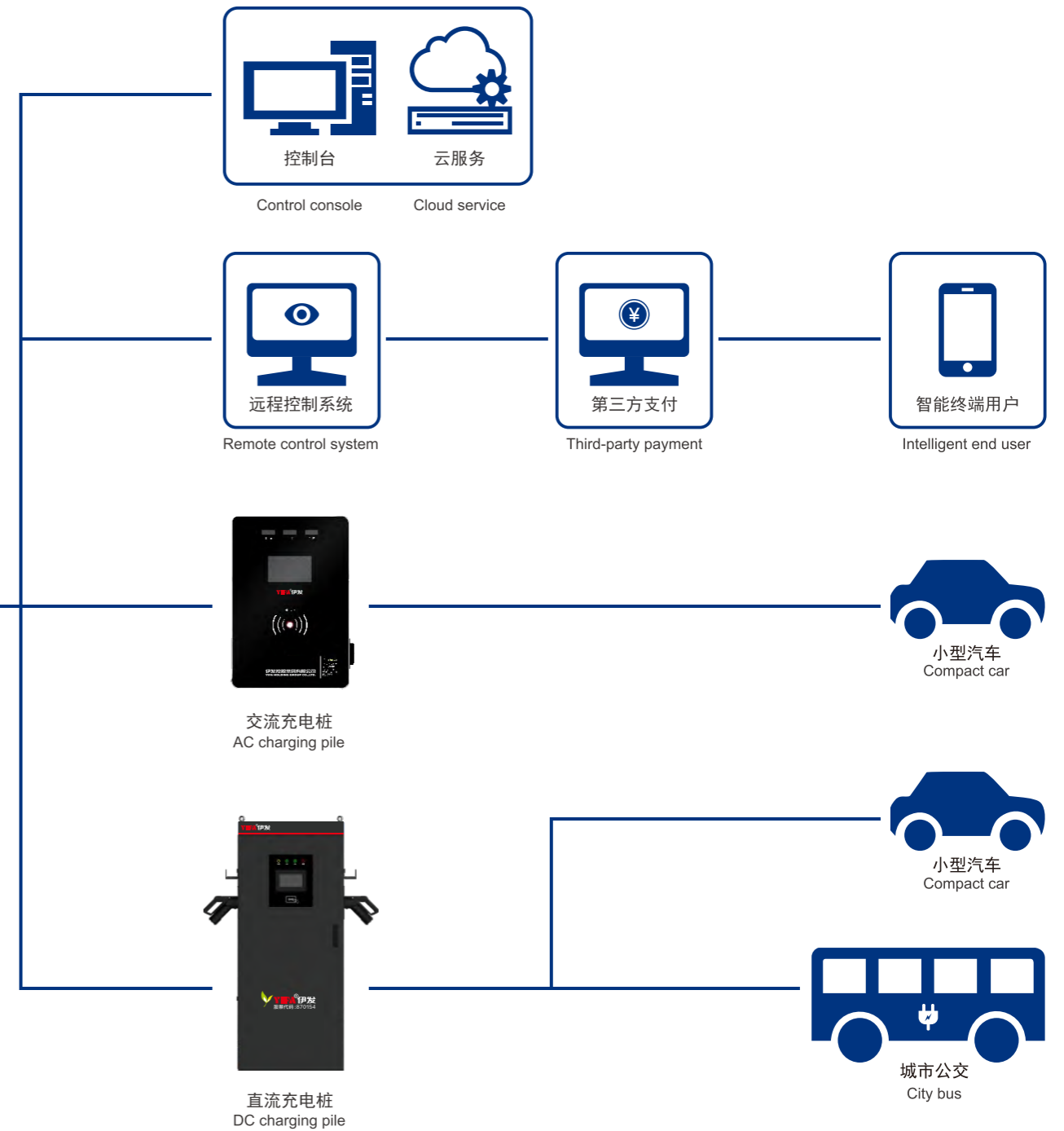
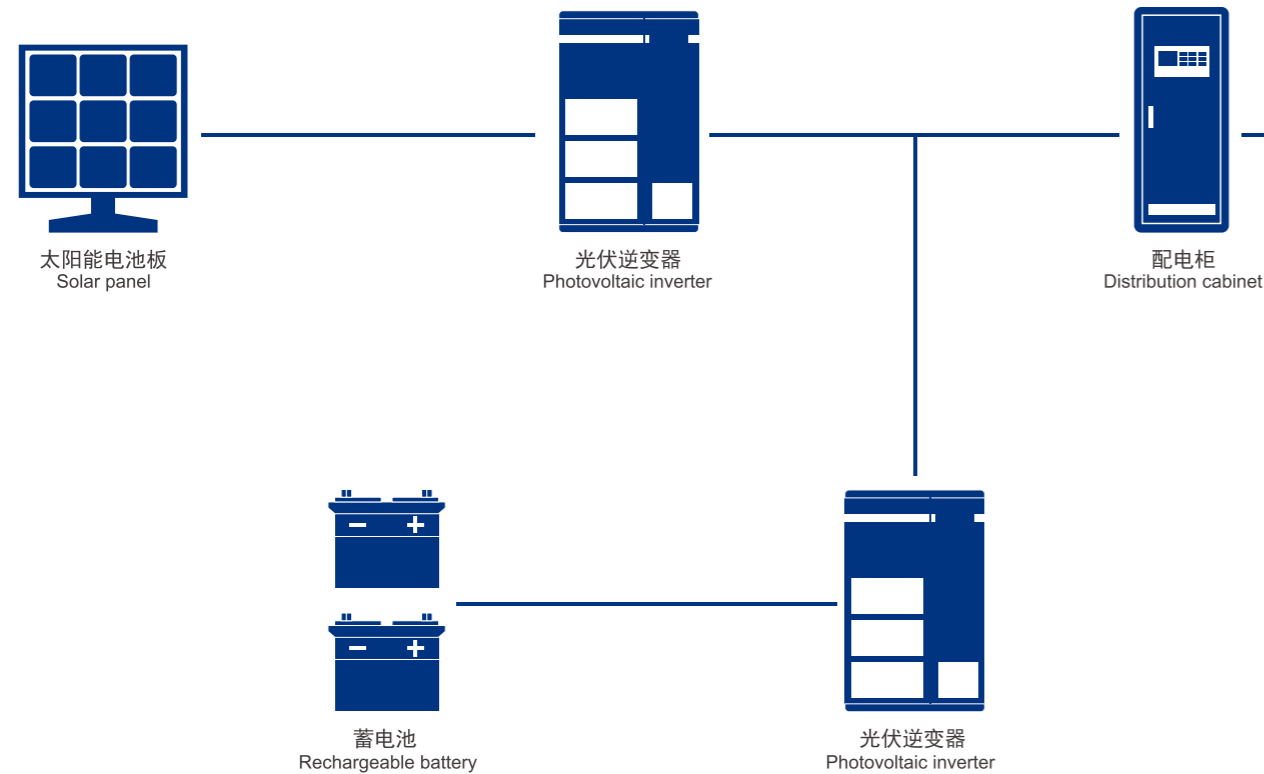
GREEN INTELLIGENT CHARGEING SOLUTION

绿色智能充电解决方案集交流充电系统、直流充电系统、有源滤波系统、智能云平台管理系统、综合支付系统于一体的综合性解决方案。

伊发凭借领先行业的核心技术、智能的能量优化管理策略、丰富的可再生能源应用经验，高覆盖的云平台网络、便捷的支付方式，让绿色和智能伴您一路同行。

The green intelligent charging solution is a comprehensive solution integrating AC charging system, DC charging system, active filter system, intelligent cloud platform management system and comprehensive payment system.

With industry-leading core technology, intelligent energy optimization management strategy, rich experience in renewable energy applications, high-coverage cloud platform network, and convenient payment methods, YIFA makes green and smart accompany you all the way.



伊发速充后台管理系统

YIFA QUICK CHARGE BACKGROUND MANAGEMENT SYSTEM

运用最先进的云计算及物联网技术，构建的全方位充电云平台，提供电动车主以APP的方式对接充电站运营系统，以便车主能方便快捷地进行充电桩查找、定位、导航充电桩或充电站，轻松实现充电桩的启停、预约，以及充值、付费、查询实时充电状态和进度等。

Using the most advanced cloud computing and Internet of Things technology, the comprehensive charging cloud platform is built to provide electric car owners to connect with the charging station operation system by APP, so that car owners can conveniently and quickly search, locate and navigate charging piles or charging stations, and easily realize the start and stop of charging piles, appointment, recharge, pay, and query real-time charging status and progress.

技术创新 Technological innovation	管理与服务 Management and service	移动APP Mobile APP	移动支付 Mobile payment
<p>基于互联网“云”服务的概念，在“云”端搭建充电设施运营管理平台，通过物联网的方式实现充电桩、充电站接入云平台，以服务的方式为电站运营公司提供监控、结算、运维、等运营服务。</p> <p>Based on the concept of Internet "cloud" service, the charging facility operation management platform is built at the "cloud" end, and charging piles and charging stations are connected to the cloud platform through the Internet of Things, so as to provide monitoring, settlement, operation and maintenance and other operational services for power station operating companies in the form of services.</p>	<p>为新能源汽车运营商提供对充电站/桩、车主、合作方的充电运营管理服务，在拥有基础充电业务管理的前提下，可扩展子运营商、终端管理、财务结算、数据统计、平台接入商、大数据分析等功能模块，领跑新能源汽车充电运营管理领域。</p> <p>Provide new energy vehicle operators with charging operation management services for charging stations/piles, owners, and partners. On the premise of basic charging business management, it can expand functional modules such as sub-operators, terminal management, financial settlement, data statistics, platform access providers, and big data analysis, leading the field of new energy vehicle charging operation management.</p>	<p>在满足基础充电业务的同时，更有丰富的业务相关功能，包含安卓APP、苹果APP，支持APP一键扫码充电，拥有电站查询、导航、充值、退款、消费明细等功能。</p> <p>While meeting the basic charging business, it also has a wealth of business-related functions, including Android APP and Apple APP, supporting APP one-click scan code charging, with power station query, navigation, recharge, refund, consumption details and other functions.</p>	<p>平台支持微信支付、支付宝支付，方便用户支付。</p> <p>The platform supports wechat Pay and Alipay payment, which is convenient for users to pay.</p>



产品编码规则

PRODUCT CODING RULES

RDE - DC 360 D2 6 H WL

WL为以太网，4G为4G网络，ZC为直充版，空白为无网络要求。
WL is Ethernet, 4G is 4G network, ZC is direct charger, blank is no network requirement.

交流桩该位为外观材质（塑壳、钣金）
S为塑壳材质，B为钣金材质；
直流桩该位为输出功率：
P非恒功率；H恒功率200V-750V；
Y恒功率200V-1000V；
The position of AC pile is the appearance material (plastic shell, sheet metal)
S is the plastic shell material, B is the sheet metal material;
The position of DC pile is output power;
P non-constant power;
H Constant power 200V-750V;
Y constant power 200V-1000V;

枪数：1单枪；2双枪；3三枪；4四枪；依次编号
Gun number: 1 single gun; 2 two guns; 3 3 guns; 4 four shots; Ordinal number

结构：A：壁挂式；B便携式；C立柱式；
D：分体式：(D1为单桩单枪，D2为单桩双枪)；
E：立体式；
Structure: A: wall-mounted; B Portable; C column type;
D: Split type : (D1 for single post single gun, D2 for single post double gun);
E: three-dimensional;

输出功率（Output power）：
7KW, 14KW, 21KW, 30KW, 40KW, 60KW, 80KW, 120KW, 160KW, 180KW, 240KW, 360KW, 480KW, 600KW

充电方式：AC交流充电桩，DC直流充电桩
Charging mode: AC charging pile, DC charging pile

伊发新能源产品：RDE
YIFA New Energy products: RDE

RDE-AC007A1

壁挂式交流充电桩
Wall mounted AC charging pile

YIFA 伊发
股票代码:870154

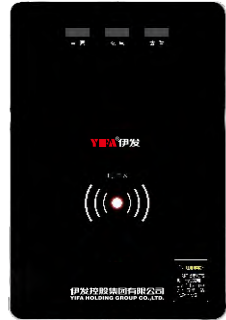


自由部署 安全可靠 FREEDEPLOYMENTSECURERELIABLE

设计采用高性能ARM芯片，具有防漏电、防雷、防窃电等功能，防护等级为IP54，同时该产品将充电接口、人机交互界面、通信、计费部分集成为一个整体，采用模块化设计，具有安装调试方便、运行维护简单等特点。

The design uses high-performance ARM chip, with anti-leakage, lightning, anti-theft and other functions, and the protection level is IP54. At the same time, the product integrates charging interface, human-computer interaction interface, communication, billing and other parts into a whole, adopts modular design, and has the characteristics of easy installation and debugging, simple operation and maintenance.

-  触摸控制
Touch control
-  移动支付
Mobile payment
-  APP联网
APP networking
-  急停保护
Scram protection
-  模块设计
Module design
-  安全可靠
Safe and reliable



产品概述 Product Overview

RDE-AC007A1BZC产品主要用于对电动汽车进行快速充电，其设计具备完善的保护功能和人机交互功能。具有安装调试方便，运行维护简单等特点，适合安装于室内外的电动汽车充电站，公共停车场，住宅小区停车场、大型商厦停车场以及路边停车位等场所。

RDE-AC007A1BZC is mainly used for fast charging of electric vehicles, and its design has perfect protection function and human-computer interaction function. It has the characteristics of easy installation and commissioning, simple operation and maintenance, and is suitable for installation in indoor and outdoor electric vehicle charging stations, public parking lots, residential parking lots, large commercial parking lots and roadside parking Spaces.

功能特点 Functional Features

- 充电方式：自动充满、定量、定费、定时；
- 充满自停：电池充满后设备自动停止充电
- 内置防保护，具备失效自隔离功能，极大提高系统的可靠性
- 待机功耗低，符合节能减排要求，降低运营成本

Charging mode: automatic filling, quantitative, fixed fee, timing;

Full stop: The device automatically stops charging after the battery is full

Built-in protection, with failure self-isolation function, greatly improve the reliability of the system

Low standby power consumption, meet the requirements of energy conservation and emission reduction, reduce operating costs

技术参数 Technical parameter

RDE-AC007A1S 充电桩详细参数 (Charging pile detailed parameters)			
项目 Item	基本指标 Basic index	RDE-AC007A1BZC	
外观结构 Appearance structure	安装方式 Installation mode	壁挂式 wall-mounted	
	充电组件 Charging module	单枪 Single gun	
	外壳材质 Shell material	塑壳、钣金 Plastic shell, sheet metal	
	线缆长度 Cable length	5M(可定做) Can be customized	
电气指标 Electrical index	输入电压 Input voltage	220V	
	输入频率 Input frequency	45Hz-55Hz	
	最大功率 Maximum power	7KW	
	输出电压 Output voltage	220V	
	输出电流 Output current	32A	
	安全设计 Safety design	过压保护 Overvoltage protection	✓
欠压保护 Undervoltage protection		✓	
过载保护 Overload protection		✓	
短路保护 Short circuit protection		✓	
漏电保护 Leakage protection		✓	
接地保护 Ground protection		✓	
防雷保护 Lightning protection		✓	
环境指标 Environmental index	工作环境温度 Operating ambient temperature	-20°C-55°C	
	工作环境湿度 Working ambient humidity	5%-95%无凝露 No condensation	
	冷却方式 Cooling mode	自然冷却 Natural cooling	
其它 other	防护等级 Class of protection	IP54	



产品概述 Product Overview

RDE-AC007A1B产品主要用于对电动汽车进行快速充电，其设计具备完善的保护功能和人机交互功能。具有安装调试方便，运行维护简单等特点，适合安装于室内外的电动汽车充电站，公共停车场，住宅小区停车场、大型商厦停车场以及路边停车位等场所。

RDE-AC007A1B is mainly used for fast charging of electric vehicles, and its design has perfect protection function and human-computer interaction function. It has the characteristics of easy installation and commissioning, simple operation and maintenance, and is suitable for installation in indoor and outdoor electric vehicle charging stations, public parking lots, residential parking lots, large commercial parking lots and roadside parking Spaces.

功能特点 Functional Features

- 充电方式：自动充满、定量、定费、定时；
- 支持微信扫码、APP等手机移动端扫码启动结算；
- 采用4.3高亮触摸屏，人机界面交互，方便快捷；
- 支持后台及云平台管理，充电记录推送，故障推送。

Charging and releasing type: automatic filling, quantitative, fixed fee, timing;

Support wechat code scanning, APP and other mobile phone scanning code start settlement;

4.3 bright touch screen, human-machine interface interaction, convenient;

Support background and cloud platform management, charging record push, fault push.

技术参数 Technical parameter

RDE-AC007A1B 充电桩详细参数 (Charging pile detailed parameters)			
项目 Item	基本指标 Basic index	RDE-AC007A1B	
外观结构 Appearance structure	安装方式 Installation mode	壁挂式 wall-mounted	
	充电组件 Charging module	单枪 Single gun	
	外壳材质 Shell material	塑壳 Plastic shell	
	线缆长度 Cable length	5M(可定做) Can be customized	
电气指标 Electrical index	输入电压 Input voltage	220V	
	输入频率 Input frequency	45Hz-55Hz	
	最大功率 Maximum power	7KW	
	输出电压 Output voltage	220V	
	输出电流 Output current	32A	
	安全设计 Safety design	过压保护 Overvoltage protection	✓
欠压保护 Undervoltage protection		✓	
过载保护 Overload protection		✓	
短路保护 Short circuit protection		✓	
漏电保护 Leakage protection		✓	
接地保护 Ground protection		✓	
防雷保护 Lightning protection		✓	
环境指标 Environmental index	工作环境温度 Operating ambient temperature	-20°C-55°C	
	工作环境湿度 Working ambient humidity	5%-95%无凝露 No condensation	
	冷却方式 Cooling mode	自然冷却 Natural cooling	
其它 other	防护等级 Class of protection	IP54	



产品概述 Product Overview

RDE-AC007A1S产品主要用于对电动汽车进行快速充电，其设计具备完善的保护功能和人机交互功能。具有安装调试方便，运行维护简单等特点，适合安装于室内外的电动汽车充电站，公共停车场，住宅小区停车场、大型商厦停车场以及路边停车位等场所。

RDE-AC007A1S is mainly used for fast charging of electric vehicles, and its design has perfect protection function and human-computer interaction function. It has the characteristics of easy installation and commissioning, simple operation and maintenance, and is suitable for installation in indoor and outdoor electric vehicle charging stations, public parking lots, residential parking lots, large commercial parking lots and roadside parking Spaces.

功能特点 Functional Features

- 充电方式：自动充满、定量、定费、定时；
- 支持微信扫码、APP等手机移动端扫码启动结算；
- 采用4.3高亮触摸屏，人机界面交互，方便快捷；
- 支持后台及云平台管理，充电记录推送，故障推送。

Charging mode: automatic filling, quantitative, fixed fee, timing;

Full stop: The device automatically stops charging after the battery is full

Built-in protection, with failure self-isolation function, greatly improve the reliability of the system

Low standby power consumption, meet the requirements of energy conservation and emission reduction, reduce operating costs

技术参数 Technical parameter

RDE-AC014A2S 充电桩详细参数 (Charging pile detailed parameters)			
项目 Item	基本指标	Basic index	RDE-AC014A2S
外观结构 Appearance structure	安装方式	Installation mode	壁挂式 wall-mounted
	充电组件	Charging module	单枪 Single gun
	外壳材质	Shell material	塑壳 Plastic shell
	线缆长度	Cable length	5M (可定做) Can be customized
电气指标 Electrical index	输入电压	Input voltage	220V
	输入频率	Input frequency	45Hz-55Hz
	最大功率	Maximum power	7KW
	输出电压	Output voltage	220V
	输出电流	Output current	32A
	安全设计 Safety design	过压保护	Overvoltage protection
欠压保护		Undervoltage protection	✓
过载保护		Overload protection	✓
短路保护		Short circuit protection	✓
漏电保护		Leakage protection	✓
接地保护		Ground protection	✓
防雷保护		Lightning protection	✓
环境指标 Environmental index	工作环境温度	Operating ambient temperature	-20°C-55°C
	工作环境湿度	Working ambient humidity	5%-95%无凝露 No condensation
	冷却方式	Cooling mode	自然冷却 Natural cooling
其它 other	防护等级	Class of protection	IP54



产品概述 Product Overview

RDE-AC014A2B产品主要用于对电动汽车进行快速充电，其设计具备完善的保护功能和人机交互功能。具有安装调试方便，运行维护简单等特点，适合安装于室内外的电动汽车充电站，公共停车场，住宅小区停车场、大型商厦停车场以及路边停车位等场所。

RDE-AC014A2B is mainly used for fast charging of electric vehicles, and its design has perfect protection function and human-computer interaction function. It has the characteristics of easy installation and commissioning, simple operation and maintenance, and is suitable for installation in indoor and outdoor electric vehicle charging stations, public parking lots, residential parking lots, large commercial parking lots and roadside parking Spaces.

功能特点 Functional Features

- 充电方式：自动充满、定量、定费、定时；
- 支持微信扫码、APP等手机移动端扫码启动结算；
- 采用4.3高亮触摸屏，人机界面交互，方便快捷；
- 支持后台及云平台管理，充电记录推送，故障推送。

Charging and releasing type: automatic filling, quantitative, fixed fee, timing;

Support wechat code scanning, APP and other mobile phone scanning code start settlement;

4.3 bright touch screen, human-machine interface interaction, convenient;

Support background and cloud platform management, charging record push, fault push.

技术参数 Technical parameter

RDE-AC014A2B 充电桩详细参数 (Charging pile detailed parameters)			
项目 Item	基本指标	Basic index	RDE-AC014A2B
外观结构 Appearance structure	安装方式	Installation mode	壁挂式 wall-mounted
	充电组件	Charging module	双枪 Double gun
	外壳材质	Shell material	钣金 Sheet metal
	线缆长度	Cable length	5M (可定做) Can be customized
电气指标 Electrical index	输入电压	Input voltage	220V
	输入频率	Input frequency	45Hz-55Hz
	最大功率	Maximum power	7KW
	输出电压	Output voltage	220V
	输出电流	Output current	32A*2
	安全设计 Safety design	过压保护	Overvoltage protection
欠压保护		Undervoltage protection	✓
过载保护		Overload protection	✓
短路保护		Short circuit protection	✓
漏电保护		Leakage protection	✓
接地保护		Ground protection	✓
防雷保护		Lightning protection	✓
环境指标 Environmental index	工作环境温度	Operating ambient temperature	-20°C-55°C
	工作环境湿度	Working ambient humidity	5%-95%无凝露 No condensation
	冷却方式	Cooling mode	自然冷却 Natural cooling
其它 other	防护等级	Class of protection	IP54



产品概述 Product Overview

RDE-AC021A1S产品主要用于对电动汽车进行快速充电，其设计具备完善的保护功能和人机交互功能。具有安装调试方便，运行维护简单等特点，适合安装于室内外的电动汽车充电站，公共停车场，住宅小区停车场、大型商厦停车场以及路边停车位等场所。

RDE-AC021A1S is mainly used for fast charging of electric vehicles, and its design has perfect protection function and human-computer interaction function. It has the characteristics of easy installation and commissioning, simple operation and maintenance, and is suitable for installation in indoor and outdoor electric vehicle charging stations, public parking lots, residential parking lots, large commercial parking lots and roadside parking Spaces.

功能特点 Functional Features

- 充电方式：自动充满、定量、定费、定时；
- 支持微信扫码、APP等手机移动端扫码启动结算；

Charging mode: automatic filling, quantitative, fixed fee, timing;

Full stop: The device automatically stops charging after the battery is full

技术参数 Technical parameter

RDE-AC021A1S 充电桩详细参数 (Charging pile detailed parameters)			
项目 Item	基本指标 Basic index	RDE-AC021A1S	
外观结构 Appearance structure	安装方式 Installation mode	壁挂式 wall-mounted	
	充电组件 Charging module	单枪 Single gun	
	外壳材质 Shell material	塑壳 Plastic shell	
	线缆长度 Cable length	5M(可定做) Can be customized	
电气指标 Electrical index	输入电压 Input voltage	380V	
	输入频率 Input frequency	45Hz-55Hz	
	最大功率 Maximum power	21KW	
	输出电压 Output voltage	380V	
	输出电流 Output current	32A	
安全设计 Safety design	过压保护 Overvoltage protection	✓	
	欠压保护 Undervoltage protection	✓	
	过载保护 Overload protection	✓	
	短路保护 Short circuit protection	✓	
	漏电保护 Leakage protection	✓	
	接地保护 Ground protection	✓	
	防雷保护 Lightning protection	✓	
环境指标 Environmental index	工作环境温度 Operating ambient temperature	-20°C-55°C	
	工作环境湿度 Working ambient humidity	5%-95%无凝露 No condensation	
	冷却方式 Cooling mode	自然冷却 Natural cooling	
其它 other	防护等级 Class of protection	IP54	



产品概述 Product Overview

RDE-AC021A1B产品主要用于对电动汽车进行快速充电，其设计具备完善的保护功能和人机交互功能。具有安装调试方便，运行维护简单等特点，适合安装于室内外的电动汽车充电站，公共停车场，住宅小区停车场、大型商厦停车场以及路边停车位等场所。

RDE-AC021A1B is mainly used for fast charging of electric vehicles, and its design has perfect protection function and human-computer interaction function. It has the characteristics of easy installation and commissioning, simple operation and maintenance, and is suitable for installation in indoor and outdoor electric vehicle charging stations, public parking lots, residential parking lots, large commercial parking lots and roadside parking Spaces.

功能特点 Functional Features

- 充电方式：自动充满、定量、定费、定时；
- 支持微信扫码、APP等手机移动端扫码启动结算；

Charging and releasing type: automatic filling, quantitative, fixed fee, timing;

Support wechat code scanning, APP and other mobile phone scanning code start settlement;

技术参数 Technical parameter

RDE-AC021A1B 充电桩详细参数 (Charging pile detailed parameters)			
项目 Item	基本指标 Basic index	RDE-AC021A1B	
外观结构 Appearance structure	安装方式 Installation mode	壁挂式 wall-mounted	
	充电组件 Charging module	双枪 Double gun	
	外壳材质 Shell material	钣金 Sheet metal	
	线缆长度 Cable length	5M(可定做) Can be customized	
电气指标 Electrical index	输入电压 Input voltage	380V	
	输入频率 Input frequency	45Hz-55Hz	
	最大功率 Maximum power	21KW	
	输出电压 Output voltage	380V	
	输出电流 Output current	32A	
安全设计 Safety design	过压保护 Overvoltage protection	✓	
	欠压保护 Undervoltage protection	✓	
	过载保护 Overload protection	✓	
	短路保护 Short circuit protection	✓	
	漏电保护 Leakage protection	✓	
	接地保护 Ground protection	✓	
	防雷保护 Lightning protection	✓	
环境指标 Environmental index	工作环境温度 Operating ambient temperature	-20°C-55°C	
	工作环境湿度 Working ambient humidity	5%-95%无凝露 No condensation	
	冷却方式 Cooling mode	自然冷却 Natural cooling	
其它 other	防护等级 Class of protection	IP54	



产品概述 Product Overview

RDZC-B10F分体式智能充电站是针对两轮、三轮电瓶车研发的解决方案，为电瓶车充电器提供电力输出。智能充电站具备控制、监测与保护的功能，如充满自停、空载断电、短路保护、过流保护、断电记忆等功能，结合自主研发的充电管理平台，对设备情况异常情况进行及时推送，方便运营商对设备进行有效的管理、维护。

RDZC-B10F split intelligent charging station is a solution developed for two-wheeled and three-wheeled battery vehicles, providing power output for battery car chargers. The intelligent charging station has the functions of control, monitoring and protection, such as full automatic stop, no-load power off, short circuit protection, overcurrent protection, power off memory and other functions. Combined with the self-developed charging management platform, it can timely push the abnormal situation of the equipment, so as to facilitate the operator to effectively manage and maintain the equipment.

功能特点 Functional Features

- 充电方式：自动充满、定量、定费、定时；
- 支持微信扫码、APP等手机移动端扫码启动结算；

Charging mode: automatic filling, quantitative, fixed fee, timing;

Full stop: The device automatically stops charging after the battery is full

技术参数 Technical parameter

RDZC-B10F 充电桩详细参数 (Charging pile detailed parameters)			
项目 Item	基本指标 Basic index	RDZC-B10F	
外观结构 Appearance structure	安装方式 Installation mode	壁挂式/立柱式 Wall / column	
	充电组件 Charging module	/	
	外壳材质 Shell material	钣金 Sheet metal	
	线缆长度 Cable length	/	
电气指标 Electrical index	输入电压 Input voltage	AC220	
	输入频率 Input frequency	45Hz-55Hz	
	最大功率 Maximum power	8000W	
	输出电压 Output voltage	AC220	
	输出电流 Output current	4A	
安全设计 Safety design	过压保护 Overvoltage protection	✓	
	欠压保护 Undervoltage protection	✓	
	过载保护 Overload protection	✓	
	短路保护 Short circuit protection	✓	
	漏电保护 Leakage protection	✓	
	接地保护 Ground protection	✓	
	防雷保护 Lightning protection	✓	
环境指标 Environmental index	工作环境温度 Operating ambient temperature	-20°C-55°C	
	工作环境湿度 Working ambient humidity	5%-95%无凝露 No condensation	
	冷却方式 Cooling mode	自然冷却 Natural cooling	
其它 other	防护等级 Class of protection	IP54	



产品概述 Product Overview

RDZC-B10Y分体式智能充电站是针对两轮、三轮电瓶车研发的解决方案，为电瓶车充电器提供电力输出。智能充电站具备控制、监测与保护的功能，如充满自停、空载断电、短路保护、过流保护、断电记忆等功能，结合自主研发的充电管理平台，对设备情况异常情况进行及时推送，方便运营商对设备进行有效的管理、维护。

RDZC-B10Y split intelligent charging station is a solution developed for two-wheeled and three-wheeled battery vehicles, providing power output for battery car chargers. The intelligent charging station has the functions of control, monitoring and protection, such as full automatic stop, no-load power off, short circuit protection, overcurrent protection, power off memory and other functions. Combined with the self-developed charging management platform, it can timely push the abnormal situation of the equipment, so as to facilitate the operator to effectively manage and maintain the equipment.

功能特点 Functional Features

- 充电方式：自动充满、定量、定费、定时；
- 支持微信扫码、APP等手机移动端扫码启动结算；

Charging mode: automatic filling, quantitative, fixed fee, timing;

Full stop: The device automatically stops charging after the battery is full

技术参数 Technical parameter

RDZC-B10Y 充电桩详细参数 (Charging pile detailed parameters)			
项目 Item	基本指标 Basic index	RDZC-B10Y	
外观结构 Appearance structure	安装方式 Installation mode	壁挂式/立柱式 Wall / column	
	充电组件 Charging module	/	
	外壳材质 Shell material	钣金 Sheet metal	
	线缆长度 Cable length	/	
电气指标 Electrical index	输入电压 Input voltage	AC220	
	输入频率 Input frequency	45Hz-55Hz	
	最大功率 Maximum power	8000W	
	输出电压 Output voltage	AC220	
	输出电流 Output current	4A	
安全设计 Safety design	过压保护 Overvoltage protection	✓	
	欠压保护 Undervoltage protection	✓	
	过载保护 Overload protection	✓	
	短路保护 Short circuit protection	✓	
	漏电保护 Leakage protection	✓	
	接地保护 Ground protection	✓	
	防雷保护 Lightning protection	✓	
环境指标 Environmental index	工作环境温度 Operating ambient temperature	-20°C-55°C	
	工作环境湿度 Working ambient humidity	5%-95%无凝露 No condensation	
	冷却方式 Cooling mode	自然冷却 Natural cooling	
其它 other	防护等级 Class of protection	IP54	

RDE-AC007C1

立式交流充电桩
Vertical AC charging pile



智能充电 科技生活 SMART CHARGING TECHNOLOGY LIFE

设计采用高性能ARM芯片，具有防漏电、防雷、防窃电等功能，防护等级为IP54，同时该产品将充电接口、人机交互界面、通信、计费部分集成为一个整体，采用模块化设计，具有安装调试方便、运行维护简单等特点。

The design uses high-performance ARM chip, with anti-leakage, lightning, anti-theft and other functions, and the protection level is IP54. At the same time, the product integrates charging interface, human-computer interaction interface, communication, billing and other parts into a whole, adopts modular design, and has the characteristics of easy installation and debugging, simple operation and maintenance.

-  触摸控制
Touch control
-  电费计量
Electricity metering
-  智能读卡
Smart card read
-  充电监测
Charge monitoring
-  事件记录
Event record
-  安全防护
Safe and reliable



产品概述 Product Overview

RDE-AC007C1B产品主要用于对电动汽车进行快速充电，其设计具备完善的保护功能和人机交互功能。具有安装调试方便，运行维护简单等特点，适合安装于室内外的电动汽车充电站，公共停车场，住宅小区停车场、大型商厦停车场以及路边停车位等场所。

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功能特点 Functional Features

- 充电方式：自动充满、定量、定费、定时；
- 支持微信扫码、APP等手机移动端扫码启动结算；
- 采用4.3高亮触摸屏，人机界面交互，方便快捷；
- 支持后台及云平台管理，充电记录推送，故障推送。

Charging mode: automatic filling, quantitative, fixed fee, timing;

Full stop: The device automatically stops charging after the battery is full

Built-in protection, with failure self-isolation function, greatly improve the reliability of the system

Low standby power consumption, meet the requirements of energy conservation and emission reduction, reduce operating costs

技术参数 Technical parameter

RDE-AC007C1B 充电桩详细参数 (Charging pile detailed parameters)			
项目 Item	基本指标	Basic index	RDE-AC007C1B
外观结构 Appearance structure	安装方式	Installation mode	立式 Vertical type
	充电组件	Charging module	单枪 Single gun
	外壳材质	Shell material	钣金 Sheet metal
	线缆长度	Cable length	5M(可定做) Can be customized
电气指标 Electrical index	输入电压	Input voltage	220V
	输入频率	Input frequency	45Hz-55Hz
	最大功率	Maximum power	7KW
	输出电压	Output voltage	220V
	输出电流	Output current	32A
	安全设计 Safety design	过压保护	Overvoltage protection
欠压保护		Undervoltage protection	✓
过载保护		Overload protection	✓
短路保护		Short circuit protection	✓
漏电保护		Leakage protection	✓
接地保护		Ground protection	✓
防雷保护		Lightning protection	✓
环境指标 Environmental index	工作环境温度	Operating ambient temperature	-20°C-55°C
	工作环境湿度	Working ambient humidity	5%-95%无凝露 No condensation
	冷却方式	Cooling mode	自然冷却 Natural cooling
其它 other	防护等级	Class of protection	IP54



产品概述 Product Overview

RDE-AC014C2B产品主要用于对电动汽车进行快速充电，其设计具备完善的保护功能和人机交互功能。具有安装调试方便，运行维护简单等特点，适合安装于室内外的电动汽车充电站，公共停车场，住宅小区停车场、大型商厦停车场以及路边停车位等场所。

RDE-AC014C2B is mainly used for fast charging of electric vehicles, and its design has perfect protection function and human-computer interaction function. It has the characteristics of easy installation and commissioning, simple operation and maintenance, and is suitable for installation in indoor and outdoor electric vehicle charging stations, public parking lots, residential parking lots, large commercial parking lots and roadside parking Spaces.

功能特点 Functional Features

- 充电方式：自动充满、定量、定费、定时；
- 支持微信扫码、APP等手机移动端扫码启动结算；
- 采用4.3高亮触摸屏，人机界面交互，方便快捷；
- 支持后台及云平台管理，充电记录推送，故障推送。

Charging mode: automatic filling, quantitative, fixed fee, timing;

Full stop: The device automatically stops charging after the battery is full

Built-in protection, with failure self-isolation function, greatly improve the reliability of the system

Low standby power consumption, meet the requirements of energy conservation and emission reduction, reduce operating costs

技术参数 Technical parameter

RDE-AC014C2B 充电桩详细参数 (Charging pile detailed parameters)			
项目 Item	基本指标	Basic index	RDE-AC014C2B
外观结构 Appearance structure	安装方式	Installation mode	立式 Vertical type
	充电组件	Charging module	双枪 Double gun
	外壳材质	Shell material	钣金 Sheet metal
	线缆长度	Cable length	5M(可定做) Can be customized
电气指标 Electrical index	输入电压	Input voltage	220V
	输入频率	Input frequency	45Hz-55Hz
	最大功率	Maximum power	7KW*2
	输出电压	Output voltage	220V
	输出电流	Output current	32A*2
	安全设计 Safety design	过压保护	Overvoltage protection
欠压保护		Undervoltage protection	✓
过载保护		Overload protection	✓
短路保护		Short circuit protection	✓
漏电保护		Leakage protection	✓
接地保护		Ground protection	✓
防雷保护		Lightning protection	✓
环境指标 Environmental index	工作环境温度	Operating ambient temperature	-20°C-55°C
	工作环境湿度	Working ambient humidity	5%-95%无凝露 No condensation
	冷却方式	Cooling mode	自然冷却 Natural cooling
其它 other	防护等级	Class of protection	IP54



产品概述 Product Overview

RDE-AC007E1产品主要用于对电动汽车进行快速充电，其设计具备完善的保护功能和人机交互功能。具有安装调试方便，运行维护简单等特点，适合安装于室内外的电动汽车充电站，公共停车场，住宅小区停车场、大型商厦停车场以及路边停车位等场所。

RDE-AC007E1 is mainly used for fast charging of electric vehicles, and its design has perfect protection function and human-computer interaction function. It has the characteristics of easy installation and commissioning, simple operation and maintenance, and is suitable for installation in indoor and outdoor electric vehicle charging stations, public parking lots, residential parking lots, large commercial parking lots and roadside parking Spaces.

功能特点 Functional Features

- 充电方式：自动充满、定量、定费、定时；
- 支持微信扫码、APP等手机移动端扫码启动结算；
- 采用4.3高亮触摸屏，人机界面交互，方便快捷；
- 支持后台及云平台管理，充电记录推送，故障推送。

Charging mode: automatic filling, quantitative, fixed fee, timing;

Full stop: The device automatically stops charging after the battery is full

Built-in protection, with failure self-isolation function, greatly improve the reliability of the system

Low standby power consumption, meet the requirements of energy conservation and emission reduction, reduce operating costs

技术参数 Technical parameter

RDE-AC007E1/RDE-AC021E1 充电桩详细参数 (Charging pile detailed parameters)				
项目 Item	基本指标 Basic index	RDE-AC007E1	RDE-AC021E1	
外观结构 Appearance structure	安装方式 Installation mode	一体式 one-piece		
	充电组件 Charging module	单枪 Single gun		
	外壳材质 Shell material	钣金 Sheet metal		
	线缆长度 Cable length	5M(可定做) Can be customized		
电气指标 Electrical index	输入电压 Input voltage	220V	380V	
	输入频率 Input frequency	45Hz-55Hz		
	最大功率 Maximum power	7KW	21KW	
	输出电压 Output voltage	220V	380V	
	输出电流 Output current	32A		
	安全设计 Safety design	过压保护 Overvoltage protection	✓	
欠压保护 Undervoltage protection		✓		
过载保护 Overload protection		✓		
短路保护 Short circuit protection		✓		
漏电保护 Leakage protection		✓		
接地保护 Ground protection		✓		
防雷保护 Lightning protection		✓		
环境指标 Environmental index	工作环境温度 Operating ambient temperature	-20°C-55°C		
	工作环境湿度 Working ambient humidity	5%-95%无凝露 No condensation		
	冷却方式 Cooling mode	自然冷却 Natural cooling		
其它 other	防护等级 Class of protection	IP54		



产品概述 Product Overview

RDE-AC014E2产品主要用于对电动汽车进行快速充电，其设计具备完善的保护功能和人机交互功能。具有安装调试方便，运行维护简单等特点，适合安装于室内外的电动汽车充电站，公共停车场，住宅小区停车场、大型商厦停车场以及路边停车位等场所。

RDE-AC014E2 is mainly used for fast charging of electric vehicles, and its design has perfect protection function and human-computer interaction function. It has the characteristics of easy installation and commissioning, simple operation and maintenance, and is suitable for installation in indoor and outdoor electric vehicle charging stations, public parking lots, residential parking lots, large commercial parking lots and roadside parking Spaces.

功能特点 Functional Features

- 充电方式：自动充满、定量、定费、定时；
- 支持微信扫码、APP等手机移动端扫码启动结算；
- 采用4.3高亮触摸屏，人机界面交互，方便快捷；
- 支持后台及云平台管理，充电记录推送，故障推送。

Charging mode: automatic filling, quantitative, fixed fee, timing;

Full stop: The device automatically stops charging after the battery is full

Built-in protection, with failure self-isolation function, greatly improve the reliability of the system

Low standby power consumption, meet the requirements of energy conservation and emission reduction, reduce operating costs

技术参数 Technical parameter

RDE-AC014E2 充电桩详细参数 (Charging pile detailed parameters)			
项目 Item	基本指标 Basic index	RDE-AC014E2	
外观结构 Appearance structure	安装方式 Installation mode	一体式 one-piece	
	充电组件 Charging module	双枪 Double gun	
	外壳材质 Shell material	钣金 Sheet metal	
	线缆长度 Cable length	5M(可定做) Can be customized	
电气指标 Electrical index	输入电压 Input voltage	220V	
	输入频率 Input frequency	45Hz-55Hz	
	最大功率 Maximum power	7KW*2	
	输出电压 Output voltage	220V	
	输出电流 Output current	32A*2	
	安全设计 Safety design	过压保护 Overvoltage protection	✓
欠压保护 Undervoltage protection		✓	
过载保护 Overload protection		✓	
短路保护 Short circuit protection		✓	
漏电保护 Leakage protection		✓	
接地保护 Ground protection		✓	
防雷保护 Lightning protection		✓	
环境指标 Environmental index	工作环境温度 Operating ambient temperature	-20°C-55°C	
	工作环境湿度 Working ambient humidity	5%-95%无凝露 No condensation	
	冷却方式 Cooling mode	自然冷却 Natural cooling	
其它 other	防护等级 Class of protection	IP54	

RDE-DC120E2H

一体式直流充电桩
Integrated DC charging pile

YIFA®伊发
股票代码:870154

人机管理 人机互动

Man-machine management, man-machine interaction

设计采用高性能ARM芯片，具有防漏电、防雷、防窃电等功能，防护等级为IP54，同时该产品将充电接口、人机交互界面、通信、计费部分集成为一个整体，采用模块化设计，具有安装调试方便、运行维护简单等特点。

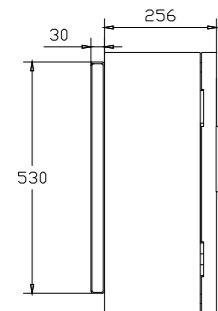
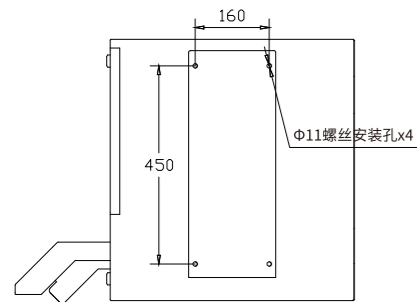
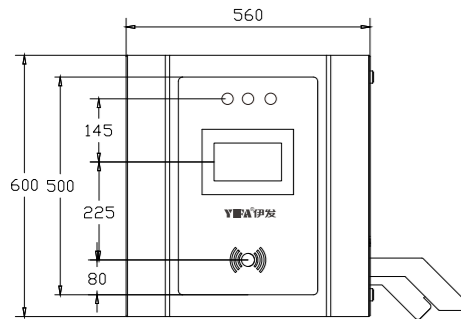
The design uses high-performance ARM chip, with anti-leakage, lightning, anti-theft and other functions, and the protection level is IP54. At the same time, the product integrates charging interface, human-computer interaction interface, communication, billing and other parts into a whole, adopts modular design, and has the characteristics of easy installation and debugging, simple operation and maintenance.



-  人机交互
Touch control
-  数据存储
Data storage
-  智能读卡
Smart card read
-  运行监测
Operation monitoring
-  账务管理
Accounting management
-  安全防护
Safe and reliable



外形尺寸 Overall dimension



产品概述 Product Overview

伊发控股集团有限公司自主研发生产的充电桩产品RDE-DC030产品主要用于对电动汽车进行快速充电, 其设计具备完善的充电安全保护功能和人机交互功能。适合于室外的电动汽车充电站, 公共停车场, 住宅小区停车场、大型商厦停车场, 路边停车位以及公交车站等场所。

The charging pile product RDE-DC030 independently developed and produced by Yifa Holding Group Co., Ltd. is mainly used for fast charging of electric vehicles, and its design has perfect charging safety protection function and human-computer interaction function. It is suitable for outdoor electric vehicle charging stations, public parking lots, residential parking lots, large commercial parking lots, roadside parking Spaces and bus stations.

功能特点 Functional Features

- 充电效率高, 能量利用率高, 能量损耗少, 符合节能减排要求, 降低成本;
- 输入谐波小, 可减少对电网的污染, 具备更高的电网适用能力;
- 输入、输出电压范围宽, 适用范围广, 适合于多种不同的电压场合;
- 工作温度范围宽, 能在不同的环境条件下正常工作;
- 充电模块支持热拔功能, 方便使用, 降低维修成本;
- 内置防反保护, 具备失效自隔离功能, 极大提高系统的可靠性;
- 具备完善的故障检测示, 能进行多种故障检测, 方便客户维护;
- 具有远程启动充电功能, 可以实现微信扫一扫启动充电、终止充电、远程结算、充电过程远程查看等;
- 支持后台及云平台管理, 充电记录推送;
- 可以自动判断充电连接器、充电电缆是否连接正常。当充电桩与电动汽车正确连接后, 充电桩才能允许启动充电过程; 当充电桩检测到与电动汽车未正常连接时, 将立即停止充电;
- 具备高速CAN网络与电池管理系统BMS通信的功能, 实时判断充电桩与电动汽车连接状况, 并获取电动汽车动力电池类型、电池系统参数、充电前和充电过程中电池组和单体电池的实时数据;
- 实时故障告警推送至平台, 方便售后维护;
- 待机功耗低, 符合节能减排要求, 降低运营成本。

High charging efficiency, high energy utilization rate, less energy loss, in line with the requirements of energy conservation and emission reduction, reduce costs;

The input harmonics are small, which can reduce the pollution to the power grid, and have higher power grid application capability;

Wide input and output voltage range, wide application range, suitable for a variety of different voltage occasions;

Wide operating temperature range, can work normally under different environmental conditions;

The charging module supports hot draw function, which is convenient to use and reduces maintenance cost;

Built-in anti-reverse protection, with failure self-isolation function, greatly improve the reliability of the system;

With a perfect fault detection indicator, can carry out a variety of fault detection, convenient customer maintenance;

With remote start charging function, it can realize wechat scan start charging, stop charging, remote settlement, remote viewing of charging process, etc.

Support background and cloud platform management, charging record push;

You can automatically determine whether the charging connector and charging cable are connected properly. Only when the charging pile is properly connected to the electric vehicle can the charging pile be allowed to start the charging process; When the charging pile detects that it is not properly connected to the electric vehicle, it will immediately stop charging;

It has the function of communication between high-speed CAN network and battery management system BMS to determine the connection between charging pile and electric vehicle in real time, and obtain the electric vehicle power battery type, battery system parameters, and real-time data of battery pack and single battery before and during charging.

Real-time fault alarms are pushed to the platform to facilitate after-sales maintenance.

Low standby power consumption, meet the requirements of energy conservation and emission reduction, reduce operating costs.

技术参数 Technical parameter

RDE-DC030 技术参数 Technical parameter			
项目 Item	型号参数 Type parameter	RDE-DC030A1H	RDE-DC030C1H
外观 Appearance	名称 Name	直流充电桩30KW DC charging pile 30kW	
	输出最大功率 Maximum output power	30KW	
	充电枪数量 Charging gun number	单枪 Single gun	
	显示及输入功能 Display and input function	触摸彩屏, 显示屏分辨率800*600, 亮度500ni l, 尺寸7英寸 Touch color screen, display resolution 800*600, brightness 500nil, size 7 inches	
	直流插头标准、直流充电接口标准 DC plug standard, DC charging interface standard	GB/T20234. 3-2015, GB/T18487. 1-2015	
读卡功能 Card reading function		非接触式读卡 Contactless card reader	
工作参数 Operating parameter	输入电压范围 Input voltage range	380V±15%	
	输入电压频率 Input voltage frequency	45-55Hz	
	输出电压范围 Output voltage range	200-750VDC	
	输出电流范围 Output current range	5A-130A	
	功率因数 Power factor	≥0.99	
	效率 Efficiency	满载 ≥95% Full load ≥95%	
	电压精度 Voltage accuracy	不超过±0.5% Not more than ±0.5%	
	电流精度 Current accuracy	≥30A: 不超过±1%, <30A: 不超过±0.3% ≥30A: not more than ±1%, <30A: not more than ±0.3%	
	稳流精度 Steady flow accuracy	不超过±0.5% Not more than ±0.5%	
	纹波系数 Ripple coefficient	峰值: 不超过±1% Peak value: not more than ±1%	
功能 Feature	运行监管功能 Operational supervision function	支持运营管理平台、数据交易储存、远程升级、后台管理、账务管理 Support operation management platform, data transaction storage, remote upgrade, back-office management, accounting management	
	安全防护功能 Safety protection function	支持过压、过流、欠压、漏电、雷、电池反接, 急停保护等防护措施 Support over voltage, over current, under voltage, leakage, thunder, battery reverse connection, emergency stop protection and other protective measures	
	直流电能表计量准确度 DC watt-hour meter measurement accuracy	0.5级 Level 0.5	
	待机功率 Standby power	≤50W	
	启动方式 Starting mode	支持移动端启动、刷卡启动 Support mobile startup, credit card startup	
防护等级 Class of protection	IP54		
工作环境 Working environment	工作温度 Operating temperature	-20°C-50°C	
	工作湿度 Working humidity	5%-95%	
	冷却方式 Cooling mode	风冷 Air cooling	



产品概述 Product Overview

RDE-DC040E1H产品主要用于对电动汽车进行快速充电，其设计具备完善的充电安全保护功能和人机交互功能。适合于室外的电动汽车充电站，公共停车场，住宅小区停车场、大型商厦停车场，路边停车位以及公交车站等场所。

RDE-DC040E1H is mainly used for fast charging of electric vehicles, and its design has perfect charging safety protection function and human-computer interaction function. It is suitable for outdoor electric vehicle charging stations, public parking lots, residential parking lots, large commercial parking lots, roadside parking spaces and bus stations.

功能特点 Functional Features

- 充电效率高，能量利用率高，能量损耗少，符合节能减排要求，降低成本；
- 输入谐波小，可减少对电网的污染，具备更高的电网适用能力；
- 输入、输出电压范围宽，适用范围广，适合于多种不同的电压场合；
- 工作温度范围宽，能在不同的环境条件下正常工作；
- 充电模块支持热拔功能，方便使用，降低维修成本；
- 内置防反保护，具备失效自隔离功能，极大提高系统的可靠性；
- 具备完善的故障检测示，能进行多种故障检测，方便客户维护；
- 具有远程启动充电功能，可以实现微信扫一扫启动充电、终止充电、远程结算、充电过程远程查看等；
- 支持后台及云平台管理，充电记录推送；
- 可以自动判断充电连接器、充电电缆是否连接正常。当充电桩与电动汽车正确连接后，充电桩才能允许启动充电过程；当充电桩检测到与电动汽车未正常连接时，将立即停止充电；
- 具备高速CAN网络与电池管理系统BMS通信的功能，实时判断充电桩与电动汽车连接状况，并获取电动汽车动力电池类型、电池系统参数、充电前和充电过程中电池组和单体电池的实时数据；
- 实时故障告警推送至平台，方便售后维护；
- 待机功耗低，符合节能减排要求，降低运营成本。

High charging efficiency, high energy utilization rate, less energy loss, in line with the requirements of energy conservation and emission reduction, reduce costs;

The input harmonics are small, which can reduce the pollution to the power grid, and have higher power grid application capability;

Wide input and output voltage range, wide application range, suitable for a variety of different voltage occasions;

Wide operating temperature range, can work normally under different environmental conditions;

The charging module supports hot draw function, which is convenient to use and reduces maintenance cost; Built-in anti-reverse protection, with failure self-isolation function, greatly improve the reliability of the system;

With a perfect fault detection indicator, can carry out a variety of fault detection, convenient customer maintenance;

With remote start charging function, it can realize wechat scan start charging, stop charging, remote settlement, remote viewing of charging process, etc.

Support background and cloud platform management, charging record push;

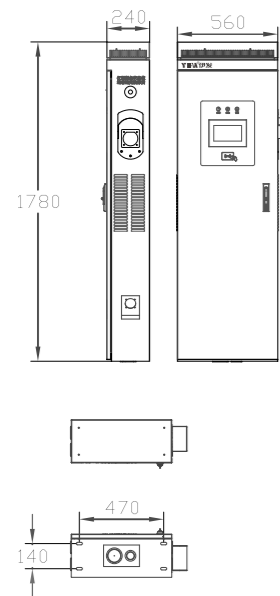
You can automatically determine whether the charging connector and charging cable are connected properly. Only when the charging pile is properly connected to the electric vehicle can the charging pile be allowed to start the charging process; When the charging pile detects that it is not properly connected to the electric vehicle, it will immediately stop charging;

It has the function of communication between high-speed CAN network and battery management system BMS to determine the connection between charging pile and electric vehicle in real time, and obtain the electric vehicle power battery type, battery system parameters, and real-time data of battery pack and single battery before and during charging.

Real-time fault alarms are pushed to the platform to facilitate after-sales maintenance.

Low standby power consumption, meet the requirements of energy conservation and emission reduction, reduce operating costs.

外形尺寸 Overall dimension



技术参数 Technical parameter

RDE-DC040E1H 技术参数 Technical parameter		
项目 Item	型号参数 Type parameter	RDE-DC040E1H
外观 Appearance	名称 Name	直流充电桩30KW DC charging pile 30kW
	输出最大功率 Maximum output power	40KW
	充电枪数量 Charging gun number	单枪 Single gun
	显示及输入功能 Display and input function	触摸彩屏，显示屏分辨率800*600，亮度500ni l，尺寸7英寸 Touch color screen, display resolution 800*600, brightness 500nil, size 7 inches
	直流插头标准、直流充电接口标准 DC plug standard, DC charging interface standard	GB/T20234. 3-2015, GB/T18487. 1-2015
读卡功能 Card reading function	非接触式读卡 Contactless card reader	
工作参数 Operating parameter	输入电压范围 Input voltage range	380V±15%
	输入电压频率 Input voltage frequency	45-55Hz
	输出电压范围 Output voltage range	200-750VDC
	输出电流范围 Output current range	5A-130A
	功率因数 Power factor	≥0.99
	效率 Efficiency	满载≥95% Full load ≥95%
	电压精度 Voltage accuracy	不超过±0.5% Not more than ±0.5%
	电流精度 Current accuracy	≥30A: 不超过±1%, <30A: 不超过±0.3% ≥30A: not more than ±1%, <30A: not more than ±0.3%
	稳流精度 Steady flow accuracy	不超过±0.5% Not more than ±0.5%
	纹波系数 Ripple coefficient	峰值: 不超过±1% Peak value: not more than ±1%
功能 Feature	运行监管功能 Operational supervision function	支持运营管理平台、数据交易储存、远程升级、后台管理、账务管理 Support operation management platform, data transaction storage, remote upgrade, back-office management, accounting management
	安全防护功能 Safety protection function	支持过压、过流、欠压、漏电、雷、电池反接，急停保护等防护措施 Support over voltage, over current, under voltage, leakage, thunder, battery reverse connection, emergency stop protection and other protective measures
	直流电能表计量准确度 DC watt-hour meter measurement accuracy	0.5级 Level 0.5
	待机功率 Standby power	≤50W
	启动方式 Starting mode	支持移动端启动、刷卡启动 Support mobile startup, credit card startup
防护等级 Class of protection	IP54	
工作环境 Working environment	工作温度 Operating temperature	-20℃-50℃
	工作湿度 Working humidity	5%-95%
	冷却方式 Cooling mode	风冷 Air cooling



产品概述 Product Overview

RDE-DC060E1H产品主要用于对电动汽车进行快速充电，其设计具备完善的充电安全保护功能和人机交互功能。适合于室外的电动汽车充电站，公共停车场，住宅小区停车场、大型商厦停车场，路边停车位以及公交车站等场所。

RDE-DC060E1H is mainly used for fast charging of electric vehicles, and its design has perfect charging safety protection function and human-computer interaction function. It is suitable for outdoor electric vehicle charging stations, public parking lots, residential parking lots, large commercial parking lots, roadside parking spaces and bus stations.

功能特点 Functional Features

- 充电效率高，能量利用率高，能量损耗少，符合节能减排要求，降低成本；
- 输入谐波小，可减少对电网的污染，具备更高的电网适用能力；
- 输入、输出电压范围宽，适用范围广，适合于多种不同的电压场合；
- 工作温度范围宽，能在不同的环境条件下正常工作；
- 充电模块支持热拔功能，方便使用，降低维修成本；
- 内置防反保护，具备失效自隔离功能，极大提高系统的可靠性；
- 具备完善的故障检测示，能进行多种故障检测，方便客户维护；
- 具有远程启动充电功能，可以实现微信扫一扫启动充电、终止充电、远程结算、充电过程远程查看等；
- 支持后台及云平台管理，充电记录推送；
- 可以自动判断充电连接器、充电电缆是否连接正常。当充电桩与电动汽车正确连接后，充电桩才能允许启动充电过程；当充电桩检测到与电动汽车未正常连接时，将立即停止充电；
- 具备高速CAN网络与电池管理系统BMS通信的功能，实时判断充电桩与电动汽车连接状况，并获取电动汽车动力电池类型、电池系统参数、充电前和充电过程中电池组和单体电池的实时数据；
- 实时故障告警推送至平台，方便售后维护；
- 待机功耗低，符合节能减排要求，降低运营成本。

High charging efficiency, high energy utilization rate, less energy loss, in line with the requirements of energy conservation and emission reduction, reduce costs;

The input harmonics are small, which can reduce the pollution to the power grid, and have higher power grid application capability;

Wide input and output voltage range, wide application range, suitable for a variety of different voltage occasions;

Wide operating temperature range, can work normally under different environmental conditions;

The charging module supports hot draw function, which is convenient to use and reduces maintenance cost; Built-in anti-reverse protection, with failure self-isolation function, greatly improve the reliability of the system;

With a perfect fault detection indicator, can carry out a variety of fault detection, convenient customer maintenance;

With remote start charging function, it can realize wechat scan start charging, stop charging, remote settlement, remote viewing of charging process, etc.

Support background and cloud platform management, charging record push;

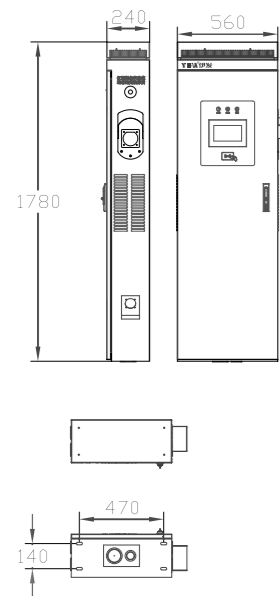
You can automatically determine whether the charging connector and charging cable are connected properly. Only when the charging pile is properly connected to the electric vehicle can the charging pile be allowed to start the charging process; When the charging pile detects that it is not properly connected to the electric vehicle, it will immediately stop charging;

It has the function of communication between high-speed CAN network and battery management system BMS to determine the connection between charging pile and electric vehicle in real time, and obtain the electric vehicle power battery type, battery system parameters, and real-time data of battery pack and single battery before and during charging.

Real-time fault alarms are pushed to the platform to facilitate after-sales maintenance.

Low standby power consumption, meet the requirements of energy conservation and emission reduction, reduce operating costs.

外形尺寸 Overall dimension



技术参数 Technical parameter

RDE-DC060E1H 技术参数 Technical parameter		
项目 Item	型号参数 Type parameter	RDE-DC060E1H
外观 Appearance	名称 Name	直流充电桩60KW DC charging pile 60kW
	输出最大功率 Maximum output power	60KW
	充电枪数量 Charging gun number	单枪 Single gun
	显示及输入功能 Display and input function	触摸彩屏，显示屏分辨率800*600，亮度500ni l，尺寸7英寸 Touch color screen, display resolution 800*600, brightness 500nil, size 7 inches
	直流插头标准、直流充电接口标准 DC plug standard, DC charging interface standard	GB/T20234. 3-2015, GB/T18487. 1-2015
读卡功能 Card reading function	非接触式读卡 Contactless card reader	
工作参数 Operating parameter	输入电压范围 Input voltage range	380V±15%
	输入电压频率 Input voltage frequency	45-55Hz
	输出电压范围 Output voltage range	200-750VDC
	输出电流范围 Output current range	5A-130A
	功率因数 Power factor	≥0.99
	效率 Efficiency	满载≥95% Full load ≥95%
	电压精度 Voltage accuracy	不超过±0.5% Not more than ±0.5%
	电流精度 Current accuracy	≥30A: 不超过±1%, <30A: 不超过±0.3% ≥30A: not more than ±1%, <30A: not more than ±0.3%
	稳流精度 Steady flow accuracy	不超过±0.5% Not more than ±0.5%
	纹波系数 Ripple coefficient	峰值: 不超过±1% Peak value: not more than ±1%
功能 Feature	运行监管功能 Operational supervision function	支持运营管理平台、数据交易储存、远程升级、后台管理、账务管理 Support operation management platform, data transaction storage, remote upgrade, back-office management, accounting management
	安全防护功能 Safety protection function	支持过压、过流、欠压、漏电、雷，电池反接，急停保护等防护措施 Support over voltage, over current, under voltage, leakage, thunder, battery reverse connection, emergency stop protection and other protective measures
	直流电能表计量准确度 DC watt-hour meter measurement accuracy	0.5级 Level 0.5
	待机功率 Standby power	≤50W
	启动方式 Starting mode	支持移动端启动、刷卡启动 Support mobile startup, credit card startup
防护等级 Class of protection	IP54	
工作环境 Working environment	工作温度 Operating temperature	-20℃-50℃
	工作湿度 Working humidity	5%-95%
	冷却方式 Cooling mode	风冷 Air cooling



产品概述 Product Overview

RDE-DC080E产品主要用于对电动汽车进行快速充电，其设计具备完善的充电安全保护功能和人机交互功能。适合于室外的电动汽车充电站，公共停车场，住宅小区停车场、大型商厦停车场，路边停车位以及公交车站等场所。

RDE-DC080E is mainly used for fast charging of electric vehicles, and its design has perfect charging safety protection function and human-computer interaction function. It is suitable for outdoor electric vehicle charging stations, public parking lots, residential parking lots, large commercial parking lots, roadside parking Spaces and bus stations.

功能特点 Functional Features

- 充电效率高，能量利用率高，能量损耗少，符合节能减排要求，降低成本；
- 输入谐波小，可减少对电网的污染，具备更高的电网适用能力；
- 输入、输出电压范围宽，适用范围广，适合于多种不同的电压场合；
- 工作温度范围宽，能在不同的环境条件下正常工作；
- 充电模块支持热拔功能，方便使用，降低维修成本；
- 内置防反保护，具备失效自隔离功能，极大提高系统的可靠性；
- 具备完善的故障检测示，能进行多种故障检测，方便客户维护；
- 具有远程启动充电功能，可以实现微信扫一扫启动充电、终止充电、远程结算、充电过程远程查看等；
- 支持后台及云平台管理，充电记录推送；
- 可以自动判断充电连接器、充电电缆是否连接正常。当充电桩与电动汽车正确连接后，充电桩才能允许启动充电过程；当充电桩检测到与电动汽车未正常连接时，将立即停止充电；
- 具备高速CAN网络与电池管理系统BMS通信的功能，实时判断充电桩与电动汽车连接状况，并获取电动汽车动力电池类型、电池系统参数、充电前和充电过程中电池组和单体电池的实时数据；
- 实时故障告警推送至平台，方便售后维护；
- 待机功耗低，符合节能减排要求，降低运营成本。

High charging efficiency, high energy utilization rate, less energy loss, in line with the requirements of energy conservation and emission reduction, reduce costs;

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Wide input and output voltage range, wide application range, suitable for a variety of different voltage occasions;

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With remote start charging function, it can realize wechat scan start charging, stop charging, remote settlement, remote viewing of charging process, etc.

Support background and cloud platform management, charging record push;

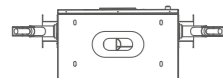
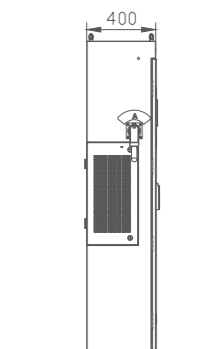
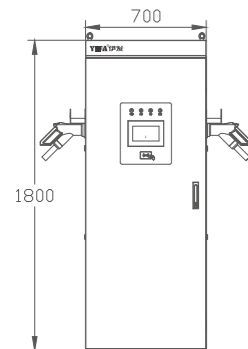
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Real-time fault alarms are pushed to the platform to facilitate after-sales maintenance.

Low standby power consumption, meet the requirements of energy conservation and emission reduction, reduce operating costs.

外形尺寸 Overall dimension



技术参数 Technical parameter

RDE-DC080E 技术参数 Technical parameter			
项目 Item	型号参数 Type parameter	RDE-DC080E1H	RDE-DC080E2H
外观 Appearance	名称 Name	直流充电桩80KW DC charging pile 80KW	
	输出最大功率 Maximum output power	80KW	
	充电枪数量 Charging gun number	单枪 Single gun	双枪 Double gun
	显示及输入功能 Display and input function	触摸彩屏，显示屏分辨率800*600，亮度500ni l，尺寸7英寸 Touch color screen, display resolution 800*600, brightness 500nil, size 7 inches	
	直流插头标准、直流充电接口标准 DC plug standard, DC charging interface standard	GB/T20234. 3-2015, GB/T18487. 1-2015	
读卡功能 Card reading function		非接触式读卡 Contactless card reader	
工作参数 Operating parameter	输入电压范围 Input voltage range	380V±15%	
	输入电压频率 Input voltage frequency	45-55Hz	
	输出电压范围 Output voltage range	200-750VDC	
	输出电流范围 Output current range	5A-130A	
	功率因数 Power factor	≥0.99	
	效率 Efficiency	满载≥95% Full load ≥95%	
	电压精度 Voltage accuracy	不超过±0.5% Not more than ±0.5%	
	电流精度 Current accuracy	≥30A: 不超过±1%, <30A: 不超过±0.3% ≥30A: not more than ±1%, <30A: not more than ±0.3%	
	稳流精度 Steady flow accuracy	不超过±0.5% Not more than ±0.5%	
纹波系数 Ripple coefficient	峰值: 不超过±1% Peak value: not more than ±1%		
功能 Feature	运行监管功能 Operational supervision function	支持运营管理平台、数据交易储存、远程升级、后台管理、账务管理 Support operation management platform, data transaction storage, remote upgrade, back-office management, accounting management	
	安全防护功能 Safety protection function	支持过压、过流、欠压、漏电、雷，电池反接，急停保护等防护措施 Support over voltage, over current, under voltage, leakage, thunder, battery reverse connection, emergency stop protection and other protective measures	
	直流电能表计量准确度 DC watt-hour meter measurement accuracy	0.5级 Level 0.5	
	待机功率 Standby power	≤50W	
	启动方式 Starting mode	支持移动端启动、刷卡启动 Support mobile startup, credit card startup	
防护等级 Class of protection	IP54		
工作环境 Working environment	工作温度 Operating temperature	-20℃-50℃	
	工作湿度 Working humidity	5%-95%	
	冷却方式 Cooling mode	风冷 Air cooling	



产品概述 Product Overview

RDE-DC120E产品主要用于对电动汽车进行快速充电，其设计具备完善的充电安全保护功能和人机交互功能。适合于室外的电动汽车充电站，公共停车场，住宅小区停车场、大型商厦停车场，路边停车位以及公交车站等场所。

RDE-DC120E is mainly used for fast charging of electric vehicles, and its design has perfect charging safety protection function and human-computer interaction function. It is suitable for outdoor electric vehicle charging stations, public parking lots, residential parking lots, large commercial parking lots, roadside parking Spaces and bus stations.

功能特点 Functional Features

- 充电效率高，能量利用率高，能量损耗少，符合节能减排要求，降低成本；
- 输入谐波小，可减少对电网的污染，具备更高的电网适用能力；
- 输入、输出电压范围宽，适用范围广，适合于多种不同的电压场合；
- 工作温度范围宽，能在不同的环境条件下正常工作；
- 充电模块支持热拔功能，方便使用，降低维修成本；
- 内置防反保护，具备失效自隔离功能，极大提高系统的可靠性；
- 具备完善的故障检测示，能进行多种故障检测，方便客户维护；
- 具有远程启动充电功能，可以实现微信扫一扫启动充电、终止充电、远程结算、充电过程远程查看等；
- 支持后台及云平台管理，充电记录推送；
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- 具备高速CAN网络与电池管理系统BMS通信的功能，实时判断充电桩与电动汽车连接状况，并获取电动汽车动力电池类型、电池系统参数、充电前和充电过程中电池组和单体电池的实时数据；
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Wide input and output voltage range, wide application range, suitable for a variety of different voltage occasions;

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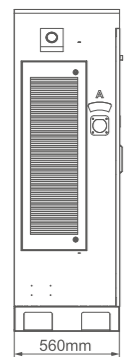
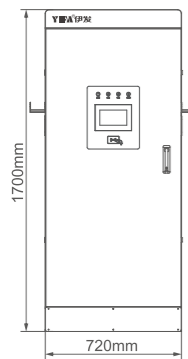
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Real-time fault alarms are pushed to the platform to facilitate after-sales maintenance.

Low standby power consumption, meet the requirements of energy conservation and emission reduction, reduce operating costs.

外形尺寸 Overall dimension



技术参数 Technical parameter

RDE-DC120E 技术参数 Technical parameter			
项目 Item	型号参数 Type parameter	RDE-DC120E1H	RDE-DC120E2H
外观 Appearance	名称 Name	直流充电桩 120KW DC charging pile 120kW	
	输出最大功率 Maximum output power	120KW	
	充电枪数量 Charging gun number	单枪 Single gun	双枪 Double gun
	显示及输入功能 Display and input function	触摸彩屏，显示屏分辨率800*600，亮度500ni l，尺寸7英寸 Touch color screen, display resolution 800*600, brightness 500nil, size 7 inches	
	直流插头标准、直流充电接口标准 DC plug standard, DC charging interface standard	GB/T20234. 3-2015, GB/T18487. 1-2015	
读卡功能 Card reading function		非接触式读卡 Contactless card reader	
工作参数 Operating parameter	输入电压范围 Input voltage range	380V±15%	
	输入电压频率 Input voltage frequency	45-55Hz	
	输出电压范围 Output voltage range	200-750VDC	
	输出电流范围 Output current range	5A-250A	5A-400A
	功率因数 Power factor	≥0.99	
	效率 Efficiency	满载 ≥95% Full load ≥95%	
	电压精度 Voltage accuracy	不超过±0.5% Not more than ±0.5%	
	电流精度 Current accuracy	≥30A: 不超过±1%, <30A: 不超过±0.3% ≥30A: not more than ±1%, <30A: not more than ±0.3%	
	稳流精度 Steady flow accuracy	不超过±0.5% Not more than ±0.5%	
	纹波系数 Ripple coefficient	峰值: 不超过±1% Peak value: not more than ±1%	
功能 Feature	运行监管功能 Operational supervision function	支持运营管理平台、数据交易储存、远程升级、后台管理、账务管理 Support operation management platform, data transaction storage, remote upgrade, back-office management, accounting management	
	安全防护功能 Safety protection function	支持过压、过流、欠压、漏电、雷、电池反接，急停保护等防护措施 Support over voltage, over current, under voltage, leakage, thunder, battery reverse connection, emergency stop protection and other protective measures	
	直流电能表计量准确度 DC watt-hour meter measurement accuracy	0.5级 Level 0.5	
	待机功率 Standby power	≤80W	
	启动方式 Starting mode	支持移动端启动、刷卡启动 Support mobile startup, credit card startup	
防护等级 Class of protection	IP54		
工作环境 Working environment	工作温度 Operating temperature	-20℃-50℃	
	工作湿度 Working humidity	5%-95%	
	冷却方式 Cooling mode	风冷 Air cooling	



产品概述 Product Overview

RDE-DC120D产品主要用于对电动汽车进行快速充电，其设计具备完善的充电安全保护功能和人机交互功能。适合于室外的电动汽车充电站，公共停车场，住宅小区停车场、大型商厦停车场，路边停车位以及公交车站等场所。

RDE-DC120D is mainly used for fast charging of electric vehicles, and its design has perfect charging safety protection function and human-computer interaction function. It is suitable for outdoor electric vehicle charging stations, public parking lots, residential parking lots, large commercial parking lots, roadside parking Spaces and bus stations.

功能特点 Functional Features

- 充电效率高，能量利用率高，能量损耗少，符合节能减排要求，降低成本；
- 输入谐波小，可减少对电网的污染，具备更高的电网适用能力；
- 输入、输出电压范围宽，适用范围广，适合于多种不同的电压场合；
- 工作温度范围宽，能在不同的环境条件下正常工作；
- 充电模块支持热拔功能，方便使用，降低维修成本；
- 内置防反保护，具备失效自隔离功能，极大提高系统的可靠性；
- 具备完善的故障检测示，能进行多种故障检测，方便客户维护；
- 具有远程启动充电功能，可以实现微信扫一扫启动充电、终止充电、远程结算、充电过程远程查看等；
- 支持后台及云平台管理，充电记录推送；
- 可以自动判断充电连接器、充电电缆是否连接正常。当充电桩与电动汽车正确连接后，充电桩才能允许启动充电过程；当充电桩检测到与电动汽车未正常连接时，将立即停止充电；
- 具备高速CAN网络与电池管理系统BMS通信的功能，实时判断充电桩与电动汽车连接状况，并获取电动汽车动力电池类型、电池系统参数、充电前和充电过程中电池组和单体电池的实时数据；
- 实时故障告警推送至平台，方便售后维护；
- 待机功耗低，符合节能减排要求，降低运营成本。

High charging efficiency, high energy utilization rate, less energy loss, in line with the requirements of energy conservation and emission reduction, reduce costs;

The input harmonics are small, which can reduce the pollution to the power grid, and have higher power grid application capability;

Wide input and output voltage range, wide application range, suitable for a variety of different voltage occasions;

Wide operating temperature range, can work normally under different environmental conditions;

The charging module supports hot draw function, which is convenient to use and reduces maintenance cost;

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Real-time fault alarms are pushed to the platform to facilitate after-sales maintenance.

Low standby power consumption, meet the requirements of energy conservation and emission reduction, reduce operating costs.



技术参数 Technical parameter

RDE-DC120D 技术参数 Technical parameter				
项目 Item	型号参数 Type parameter	RDE-DC120D1H	RDE-DC120D2H	
外观 Appearance	名称 Name	直流充电桩 120KW DC charging pile 120kW		
	输出最大功率 Maximum output power	120KW		
	充电枪数量 Charging gun number	一桩二枪 One shot, two shots	二桩二枪 Two posts, two guns	
	显示及输入功能 Display and input function	触摸彩屏，显示屏分辨率800*600，亮度500ni l，尺寸7英寸 Touch color screen, display resolution 800*600, brightness 500nil, size 7 inches		
	直流插头标准、直流充电接口标准 DC plug standard, DC charging interface standard	GB/T20234. 3-2015, GB/T18487. 1-2015		
读卡功能 Card reading function	非接触式读卡 Contactless card reader			
工作参数 Operating parameter	输入电压范围 Input voltage range	380V±15%		
	输入电压频率 Input voltage frequency	45-55Hz		
	输出电压范围 Output voltage range	200-750VDC		
	输出电流范围 Output current range	5A-250A	5A-400A	
	功率因数 Power factor	≥0.99		
	效率 Efficiency	满载 ≥95% Full load ≥95%		
	电压精度 Voltage accuracy	不超过±0.5% Not more than ±0.5%		
	电流精度 Current accuracy	≥30A: 不超过±1%, <30A: 不超过±0.3% ≥30A: not more than ±1%, <30A: not more than ±0.3%		
	稳流精度 Steady flow accuracy	不超过±0.5% Not more than ±0.5%		
	纹波系数 Ripple coefficient	峰值: 不超过±1% Peak value: not more than ±1%		
功能 Feature	运行监管功能 Operational supervision function	支持运营管理平台、数据交易储存、远程升级、后台管理、账务管理 Support operation management platform, data transaction storage, remote upgrade, back-office management, accounting management		
	安全防护功能 Safety protection function	支持过压、过流、欠压、漏电、雷、电池反接，急停保护等防护措施 Support over voltage, over current, under voltage, leakage, thunder, battery reverse connection, emergency stop protection and other protective measures		
	直流电能表计量准确度 DC watt-hour meter measurement accuracy	0.5级 Level 0.5		
	待机功率 Standby power	≤80W		
	启动方式 Starting mode	支持移动端启动、刷卡启动 Support mobile startup, credit card startup		
防护等级 Class of protection	IP54			
工作环境 Working environment	工作温度 Operating temperature	-20℃-50℃		
	工作湿度 Working humidity	5%-95%		
	冷却方式 Cooling mode	风冷 Air cooling		



产品概述 Product Overview

RDE-DC160E产品主要用于对电动汽车进行快速充电，其设计具备完善的充电安全保护功能和人机交互功能。适合于室外的电动汽车充电站，公共停车场，住宅小区停车场、大型商厦停车场，路边停车位以及公交车站等场所。

RDE-DC160E is mainly used for fast charging of electric vehicles, and its design has perfect charging safety protection function and human-computer interaction function. It is suitable for outdoor electric vehicle charging stations, public parking lots, residential parking lots, large commercial parking lots, roadside parking Spaces and bus stations.

功能特点 Functional Features

- 充电效率高，能量利用率高，能量损耗少，符合节能减排要求，降低成本；
- 输入谐波小，可减少对电网的污染，具备更高的电网适用能力；
- 输入、输出电压范围宽，适用范围广，适合于多种不同的电压场合；
- 工作温度范围宽，能在不同的环境条件下正常工作；
- 充电模块支持热拔功能，方便使用，降低维修成本；
- 内置防反保护，具备失效自隔离功能，极大提高系统的可靠性；
- 具备完善的故障检测示，能进行多种故障检测，方便客户维护；
- 具有远程启动充电功能，可以实现微信扫一扫启动充电、终止充电、远程结算、充电过程远程查看等；
- 支持后台及云平台管理，充电记录推送；
- 可以自动判断充电连接器、充电电缆是否连接正常。当充电桩与电动汽车正确连接后，充电桩才能允许启动充电过程；当充电桩检测到与电动汽车未正常连接时，将立即停止充电；
- 具备高速CAN网络与电池管理系统BMS通信的功能，实时判断充电桩与电动汽车连接状况，并获取电动汽车动力电池类型、电池系统参数、充电前和充电过程中电池组和单体电池的实时数据；
- 实时故障告警推送至平台，方便售后维护；
- 待机功耗低，符合节能减排要求，降低运营成本。

High charging efficiency, high energy utilization rate, less energy loss, in line with the requirements of energy conservation and emission reduction, reduce costs;

The input harmonics are small, which can reduce the pollution to the power grid, and have higher power grid application capability;

Wide input and output voltage range, wide application range, suitable for a variety of different voltage occasions;

Wide operating temperature range, can work normally under different environmental conditions;

The charging module supports hot draw function, which is convenient to use and reduces maintenance cost;

Built-in anti-reverse protection, with failure self-isolation function, greatly improve the reliability of the system;

With a perfect fault detection indicator, can carry out a variety of fault detection, convenient customer maintenance;

With remote start charging function, it can realize wechat scan start charging, stop charging, remote settlement, remote viewing of charging process, etc.

Support background and cloud platform management, charging record push;

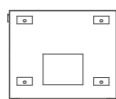
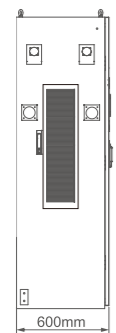
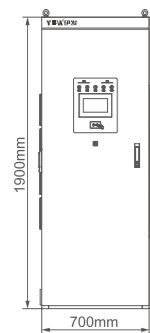
You can automatically determine whether the charging connector and charging cable are connected properly. Only when the charging pile is properly connected to the electric vehicle can the charging pile be allowed to start the charging process; When the charging pile detects that it is not properly connected to the electric vehicle, it will immediately stop charging;

It has the function of communication between high-speed CAN network and battery management system BMS to determine the connection between charging pile and electric vehicle in real time, and obtain the electric vehicle power battery type, battery system parameters, and real-time data of battery pack and single battery before and during charging.

Real-time fault alarms are pushed to the platform to facilitate after-sales maintenance.

Low standby power consumption, meet the requirements of energy conservation and emission reduction, reduce operating costs.

外形尺寸 Overall dimension



技术参数 Technical parameter

RDE-DC160E 技术参数 Technical parameter				
项目 Item	型号参数 Type parameter	RDE-DC160E1H	RDE-DC160E2H	
外观 Appearance	名称 Name	直流充电桩 160KW DC charging pile 160kW		
	输出最大功率 Maximum output power	160KW		
	充电枪数量 Charging gun number	单枪 Single gun	双枪 Double gun	
	显示及输入功能 Display and input function	触摸彩屏，显示屏分辨率800*600，亮度500ni l，尺寸7英寸 Touch color screen, display resolution 800*600, brightness 500nil, size 7 inches		
	直流插头标准、直流充电接口标准 DC plug standard, DC charging interface standard	GB/T20234. 3-2015, GB/T18487. 1-2015		
读卡功能 Card reading function	非接触式读卡 Contactless card reader			
工作参数 Operating parameter	输入电压范围 Input voltage range	380V±15%		
	输入电压频率 Input voltage frequency	45-55Hz		
	输出电压范围 Output voltage range	200-750VDC		
	输出电流范围 Output current range	5A-250A	5A-500A	
	功率因数 Power factor	≥0.99		
	效率 Efficiency	满载 ≥95% Full load ≥95%		
	电压精度 Voltage accuracy	不超过±0.5% Not more than ±0.5%		
	电流精度 Current accuracy	≥30A: 不超过±1%, <30A: 不超过±0.3% ≥30A: not more than ±1%, <30A: not more than ±0.3%		
	稳流精度 Steady flow accuracy	不超过±0.5% Not more than ±0.5%		
	纹波系数 Ripple coefficient	峰值: 不超过±1% Peak value: not more than ±1%		
功能 Feature	运行监管功能 Operational supervision function	支持运营管理平台、数据交易储存、远程升级、后台管理、账务管理 Support operation management platform, data transaction storage, remote upgrade, back-office management, accounting management		
	安全防护功能 Safety protection function	支持过压、过流、欠压、漏电、雷，电池反接，急停保护等防护措施 Support over voltage, over current, under voltage, leakage, thunder, battery reverse connection, emergency stop protection and other protective measures		
	直流电能表计量准确度 DC watt-hour meter measurement accuracy	0.5级 Level 0.5		
	待机功率 Standby power	≤80W		
	启动方式 Starting mode	支持移动端启动、刷卡启动 Support mobile startup, credit card startup		
防护等级 Class of protection	IP54			
工作环境 Working environment	工作温度 Operating temperature	-20℃-50℃		
	工作湿度 Working humidity	5%-95%		
	冷却方式 Cooling mode	风冷 Air cooling		



产品概述 Product Overview

RDE-DC160E产品主要用于对电动汽车进行快速充电，其设计具备完善的充电安全保护功能和人机交互功能。适合于室外的电动汽车充电站，公共停车场，住宅小区停车场、大型商厦停车场，路边停车位以及公交车站等场所。

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- 输入、输出电压范围宽，适用范围广，适合于多种不同的电压场合；
- 工作温度范围宽，能在不同的环境条件下正常工作；
- 充电模块支持热拔功能，方便使用，降低维修成本；
- 内置防反保护，具备失效自隔离功能，极大提高系统的可靠性；
- 具备完善的故障检测示，能进行多种故障检测，方便客户维护；
- 具有远程启动充电功能，可以实现微信扫一扫启动充电、终止充电、远程结算、充电过程远程查看等；
- 支持后台及云平台管理，充电记录推送；
- 可以自动判断充电连接器、充电电缆是否连接正常。当充电桩与电动汽车正确连接后，充电桩才能允许启动充电过程；当充电桩检测到与电动汽车未正常连接时，将立即停止充电；
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- 实时故障告警推送至平台，方便售后维护；
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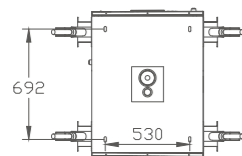
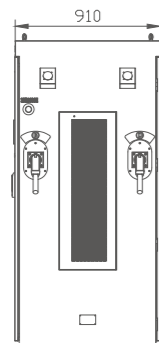
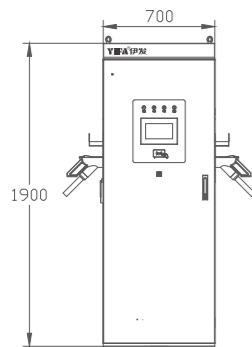
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Real-time fault alarms are pushed to the platform to facilitate after-sales maintenance.

Low standby power consumption, meet the requirements of energy conservation and emission reduction, reduce operating costs.

外形尺寸 Overall dimension



技术参数 Technical parameter

RDE-DC160E1H 技术参数 Technical parameter		
项目 Item	型号参数 Type parameter	RDE-DC160E4H
外观 Appearance	名称 Name	直流充电桩160KW DC charging pile 160kW
	输出最大功率 Maximum output power	160KW
	充电枪数量 Charging gun number	四枪 four-gun
	显示及输入功能 Display and input function	触摸彩屏，显示屏分辨率800*600，亮度500ni l，尺寸7英寸 Touch color screen, display resolution 800*600, brightness 500nil, size 7 inches
	直流插头标准、直流充电接口标准 DC plug standard, DC charging interface standard	GB/T20234. 3-2015, GB/T18487. 1-2015
读卡功能 Card reading function	非接触式读卡 Contactless card reader	
工作参数 Operating parameter	输入电压范围 Input voltage range	380V±15%
	输入电压频率 Input voltage frequency	45-55Hz
	输出电压范围 Output voltage range	200-750VDC
	输出电流范围 Output current range	5A-130A
	功率因数 Power factor	≥0.99
	效率 Efficiency	满载≥95% Full load ≥95%
	电压精度 Voltage accuracy	不超过±0.5% Not more than ±0.5%
	电流精度 Current accuracy	≥30A: 不超过±1%, <30A: 不超过±0.3% ≥30A: not more than ±1%, <30A: not more than ±0.3%
	稳流精度 Steady flow accuracy	不超过±0.5% Not more than ±0.5%
	纹波系数 Ripple coefficient	峰值: 不超过±1% Peak value: not more than ±1%
功能 Feature	运行监管功能 Operational supervision function	支持运营管理平台、数据交易储存、远程升级、后台管理、账务管理 Support operation management platform, data transaction storage, remote upgrade, back-office management, accounting management
	安全防护功能 Safety protection function	支持过压、过流、欠压、漏电、雷、电池反接，急停保护等防护措施 Support over voltage, over current, under voltage, leakage, thunder, battery reverse connection, emergency stop protection and other protective measures
	直流电能表计量准确度 DC watt-hour meter measurement accuracy	0.5级 Level 0.5
	待机功率 Standby power	≤50W
	启动方式 Starting mode	支持移动端启动、刷卡启动 Support mobile startup, credit card startup
防护等级 Class of protection	IP54	
工作环境 Working environment	工作温度 Operating temperature	-20℃-50℃
	工作湿度 Working humidity	5%-95%
	冷却方式 Cooling mode	风冷 Air cooling

质量保证及服务承诺

COMMITMENT TO QUALITY AND SERVICE

“以客为尊，快速反应”是伊发人的服务宗旨。集团本着对用户高度的责任感，为用户所想，为用户所急，质量第一，服务第一，切切实实做好服务工作。我集团所有产品全部通过CCC国家强制性产品认证，12KV、35KV箱式变电站及高压柜、环网柜均顺利取得国家高压检测中心型式试验报告。而且我集团在确保产品质量方面有着一套完整的质量保证体系，其中包括对产品售前、售中、售后服务和对客户的技术咨询及技术培训，我们完全同意和满足贵方设备招标的服务要求，为此本集团向顾客做出如下承诺：

售前服务承诺

为了让贵方进一步了解我集团产品性能，我们愿意向贵方义务提供产品性能及使用知识介绍，解答贵方对产品疑问等售前服务工作。

售中服务承诺

在合同签订以后，我们有义务免费向贵方提供一套系统的设计方案或配合贵方共同设计。在生产过程中我们积极配合贵方对设备监造工作。

售后服务承诺

设备运达交货地点后，我集团将按时派员到现场，与贵方共同进行验收接货工作，对设备的数量、规格型号和外观质量进行验收。验收标准为有关国家、部颁标准及双方签署的《技术协议书》。验收完毕后双方共同签署开箱记录。我集团对出厂的产品，定期进行质量跟踪服务，随时了解设备的运行情况，随时提供设备所需的备品、备件。根据需要派员跟进和技术支持。如贵方对我集团提供的产品因质量问题提出疑问，在接到贵方的通知后，我集团将在24小时内派技术人员到达设备使用现场进行处理。我集团产品质保期为12个月，在质保期内，保证兑现“三包”（包退、包换、包修理）。

若因设备缺陷达不到《技术协议书》所要求的条件，我方免费为贵方提供所需更换的部件和采取必要的改进措施，直至达到技术协议书所要求的条件。