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Transtrue

Electric vehicle charging system solution

Transtrue Civil- militaryIntegrationTechnologyDevelopment(Suzhou) Co. Ltd.

CONTENTS

01 About Us

- 02. Enterprise introduction
- 03. Customer directory
- 05. Company introduction
- 06. Product qualification certification

02 product presentation

- 07. National Standard DC pile
- 11. High-power charging pile
- 13. GB V2G charging system
- 15. National Standard AC pile
- 19. Flexible mass charging system
- 23. Total liquid cold group charging system
- 27. Mobile Energy storage charging and discharging system
- 29. European standard AC charging system
- 31. European standard DC charging system
- 33. Operation and management platform

03 application scenarios

- 35. Application cases
- 39. icable scenarios

ABOUT US

01

Enterprise introduction

Beijing ZhenTV Technology Co., Ltd. (Beijing Transtrue Technology Inc.) was founded in 2000. After 15 years of steady development, ZhenTV was listed in Shenzhen Stock Exchange in 2015, stock code: 002771. It is a national high-tech enterprise with the first-class qualification of information system integration, audio and video engineering qualification and intelligent building engineering design, national secret, military secret and other qualifications.

It serves 36 ministries and commissions, including the Ministry of Finance, the Ministry of Agriculture, the Ministry of Transport, and the State Administration of Taxation. Its corporate customers include large central enterprises such as CNPC, Sinopec, Huaneng Group and COFCO.

The companys four major business segments: new energy, new video, new computing power, new industry.



Customer directory

<p>GOVERNMENT 政府</p>	
<p>CENTRAL ENTERPRISES 央企</p>	
<p>FINANCE 金融</p>	
<p>SECURITY FORCES 军警</p>	
<p>EDUCATION 教育</p>	

- 中国核工业 •中国航天科技 •中国航空工业 •中国兵器 •中国电子 •航空发动机集团
- 中国石油 •中国海洋石油 •中国石化 •中国华能 •中国大唐 •国家电投集团
- 中国通用 •中国建筑 •中国节能环保集团公司 •机械科学研究总院 •中国盐业 •中国建材
- 中国有色矿业 •中铁股份 •航空油料集团 •中国化工集团 •中交集团 •新兴际华集团
- 中国外运 •保利集团 •海南航空

- 中国工商银行 •中国银行 •中国建设银行 •中国人民保险 •中国人寿 •东方资产
- 信达资产 •银河证券 •中国银行保险监督管理委员会 •中国人民银行 •华夏银行 •中国民生银行
- 广发银行 •中国邮政储蓄银行 •湖北农信 •日照银行 •廊坊银行 •民族证券
- 长江证券 •华泰资产 •中华联合保险 •泰康集团 •合众人寿 •华夏人寿
- 阳光保险

- 中央军委办公厅 •中部战区 •西部战区 •南部战区 •空军后勤部 •战略支援部队
- 宁夏省军区 •火箭军某研究院 •国防大学 •国防科技大学 •陆军工程大学 •海军工程大学
- 空军工程大学 •陆军防化学院 •陆军航空兵学院 •陆军边海防学院 •空军指挥学院 •海军医科大学附属某学院
- 后勤指挥学院 •中国消防救援学院 •武警北京总队 •武警河北总队 •武警天津指挥学院 •武警湖南总队
- 武警广西总队 •上海边防总队 •广东边防总队 •云南边防总队 •湖南消防总队 •湖北省公安厅
- 湖南省公安厅交通管理局 •云南省公安厅 •长江航运公安局 •中部战区总医院 •国防大学军事文化学院

- 国家行政学院 •国家开放大学 •中国科学院大学 •北京市朝阳区政委 •北京第二实验小学
- 北京航空航天大学 •北京交通大学 •北京中医药大学 •防灾科技学院 •石化干部管理学院
- 汇佳学院 •新东方 •清华大学

- 首都机场 •海尔集团 •国美电器 •联想 •蔚来汽车 •京东集团
- 亿利 •奔驰 •万达集团 •吉利汽车 •忠旺集团

COMPANY PROFILE

Founded in 2019, Zhenwu Zhitong Junrong is a wholly-owned subsidiary of Zhenwu Zhitong Junrong. It focuses on the research and development, production, sales and service of electric vehicle charging products, and always maintains continuous research and development and exploration. Adhering to the development concept of helping customers succeed and helping employees grow, we adhere to innovation-driven development, and are committed to providing customers with intelligent, safe and high-quality electric vehicle charging products.

The products include covers: AC charging series, DC charging series, high-power charging series, V2G charging series, mobile energy storage charging series, flexible group charging system, full liquid cooling supercharging system, European standard DC charging series, European standard AC charging series, etc.

With high intelligence, high security, high quality products, distributed in Guangdong, Shanghai, Jiangsu, Zhejiang, Hunan, Hubei, Hebei, Shandong, Sichuan, Inner Mongolia, Yunnan, shaanxi, Guangxi, Liaoning, Gansu, Hainan molecular company, office to provide customers with timely perfect after-sales service, won the trust and support of customers.

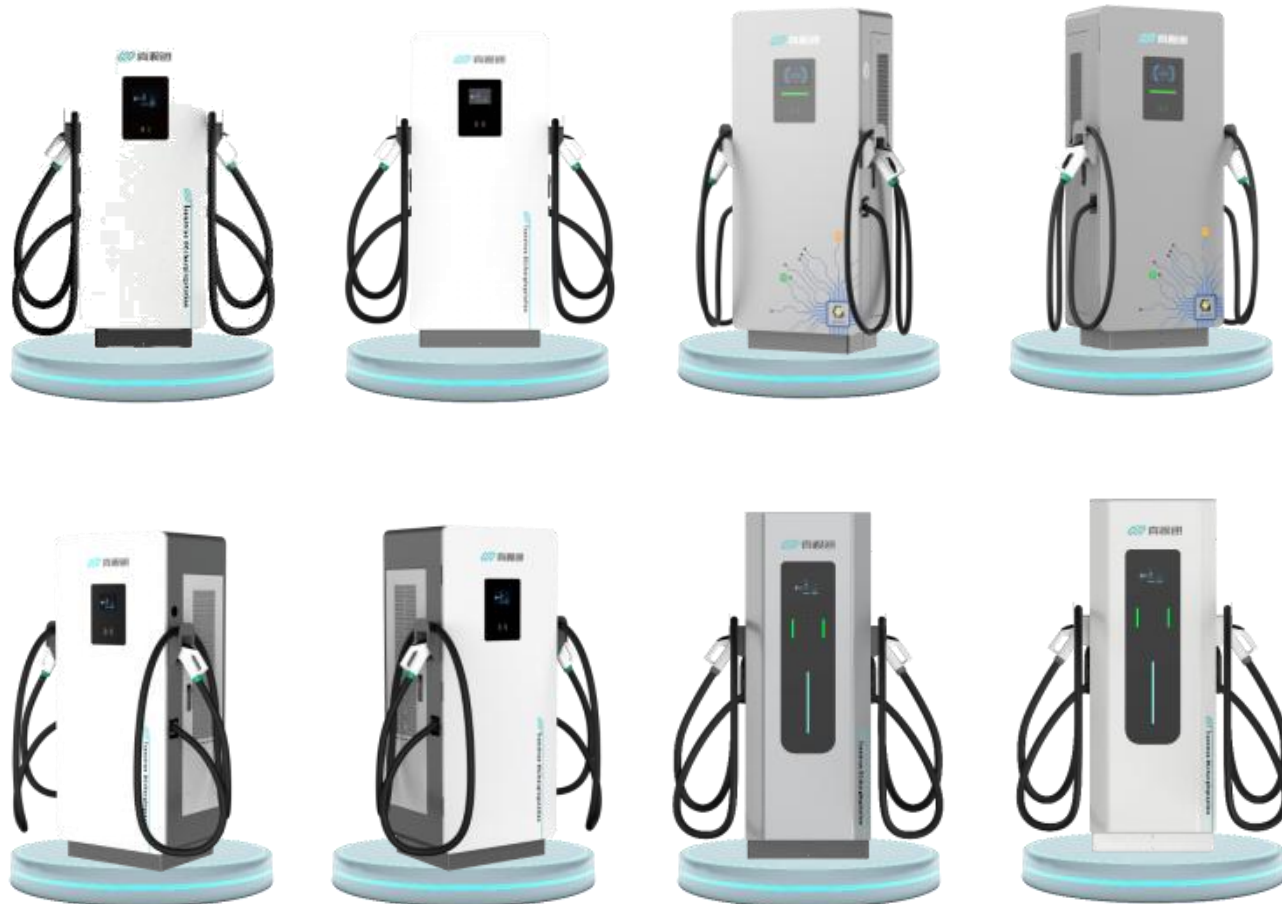


PRODUCT QUALIFICATION



PRODUCT INTRODUCTION 02

National standard DC pile charging system



Zhenvision focuses on charging technology research and development, charging product design, production and manufacturing, and pays more attention to product charging safety, charging efficiency, standby energy consumption, etc. The company's strict quality control system ensures that the charging equipment put into operation meets the national standards, and through its digital technology, continuously iterate the software and hardware products, and continuously improve the user experience through the Internet of Things technology.

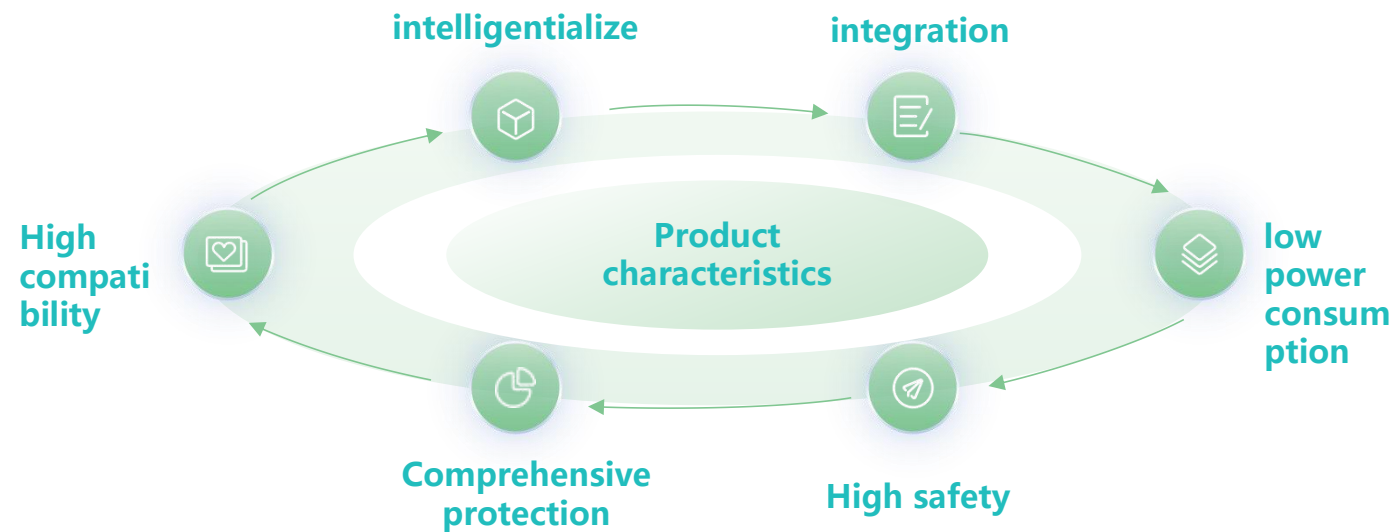
Product

- Full series of constant power, low failure rate, low power consumption, can increase the power module convenient upgrade power, automatic configuration of charging voltage, high compatibility.
- Integrated design, integration of Ethernet, 4G communication mode, cloud platform system charging monitoring, user settlement, report statistics, equipment maintenance, remote monitoring, remote OTA and other functions.
- Support mobile phone positioning, navigation, booking charging, scanning code charging, swiping card charging, VIN code automatic identification, live query, remote start and stop, to ensure the safety of users and charging equipment.
- Diversified charging methods, automatic, quantitative, quota, timing, SOC charging, powerful power division, constant power function, safe, simple and reliable.
- The electrical safety design is perfect, with timing, real-time monitoring of safety protection, pre-diagnosis of equipment abnormalities, alarm feedback, BMS autonomous safety protection and other functions.
- Damp-proof, mildew proof, waterproof, dustproof, flame retardant; overvoltage protection, overload protection, undervoltage protection, overcurrent protection, short circuit protection, electric circuit protection, leakage protection, overtemperature protection, reverse protection, insulation abnormal protection, guide circuit error protection, control module fault protection, lightning strike protection and other functions.

National standard DC pile charging system



Product characteristics



True vision dc charging series is true vision research and development of more full scene general dc charging system, full series of constant power, 99% compatible with the market, power dynamic optimal distribution, system support function development, low failure rate, low power consumption, can increase the power module convenient upgrade power, automatic configuration charging voltage, stable and reliable, high compatibility.

Product Parameter

application scenarios	Public operation version				Bus, passenger version			
power rating	60KW	80KW	120KW	160KW	60KW	80KW	120KW	160KW
input voltage	AC 380V±15%							
output voltage	200~750Vdc				150~1000Vdc			
Single-gun output maximum current	125 A	200A	250 A	250A	125 A	200A	250A	250A
Whole-length pile output current range	5~150 A	5~200A	5~300A	5~400 A	5~200 A	5~266A	5~400 A	5~532 A
Constant power range	400~750V dc				300~1000V dc			
power factor	≥0.99							
peak efficiency	95.2%				95%			
Power distribution mode	1 fast, 1 slow / double fast, fast gun at any full power				Single-gun arbitrary full power			
network interface	4G / Ethernet							
screen size	7 Inch							
Charging gun line length	5m×2				7.5m×2			
Size (width, depth and height)	650×514×1650 (mm)				730×514×1650 (mm)			
levels of protection	IP54							
cooling-down method	forced air cooling							
operating ambient temperature	-25°C ~ + 55°C (Standard Edition)							
storage temperature	-35°C ~ + 65°C (Standard Edition)							

National standard high-power charging system



Product characteristics



integration

Modular design, low failure rate, low electric loss, small volume, independent module partition, independent fresh air channel, low operation and maintenance cost.



intelligentize

Powerful power division, constant power function, charging does not hurt the car, charging methods, can be automatic, quantitative, quota, SOC charging, remote one-key upgrade.



High safety

It has over temperature, over voltage, over voltage, overload, over current, short circuit, leakage, BMS abnormal, anti-back connection, intelligent temperature control, lightning protection and other protection functions to ensure the safety of charging.



Comprehensive protection

Perfect electrical safety design, timing, real-time monitoring of safety protection, equipment abnormal pre-diagnosis, alarm feedback, BMS autonomous safety protection and other functions. Motion-proof, mildew-proof, waterproof, dustproof, flame retardant.

The integrated heavy truck special DC pile is a high-power charging system for commercial vehicles developed by Zhenvision. It is composed of a charging module with automatic correction function of source power factor, and has functions of human-computer interaction, card swiping, billing, settlement, remote communication and control. Human-machine interaction is friendly, automatic configuration of charging voltage, high compatibility. Strong environmental adaptability, wider output voltage range, constant voltage and constant power, power dynamic optimal distribution, system support function expansion, with comprehensive protection measures. It can be widely used in mining, construction machinery and other heavy truck supporting scenes.

Product Parameter

power	180KW	240KW	320KW	360KW	400KW
input voltage	AC 380V±15%				
output voltage	150~1000Vdc				
Single-gun output maximum current	250A	250A	250A	300A	300A
Whole-length pile output current range	5~600A	5~798A	5~1064A	5~1206A	5~1340A
Constant power range	300~1000Vdc				
power factor	≥0.99				
peak efficiency	95%				
Power distribution mode	Two fast, two guns full power / can be charged				
network interface	4G / Ethernet				
screen size	7 Inch				
Charging gun line length	7.5m × 2				
Size (width, depth and height)	750*620*1800			900*775*1900	
levels of protection	IP54				
cooling-down method	forced air cooling				
operating ambient temperature	-25°C ~ 55°C (Standard Edition)				
storage temperature	35°C ~ 65°C (Standard Edition)				

National standard V2G charging system



Product characteristics

- Smart switch
- opposite direction power transmission
- Two-way output
- Highlight the screen

Charging is smarter

- Multi-mode intelligent switching, both high efficiency and energy saving mode
- It can reverse power to the power grid through the charging pile
- Electric vehicle resources can be used for peak-shifting and valley-filling arbitrage
- Highlight the touch screen, the display is clearer, standby automatically extinguish the screen

- Multiple protection
- Reliable detection
- Isolation and anti-terrorism
- Initiative protect

Charging is safer

- Multiple protection measures to ensure the safety of charging
- Module is detected in place to improve reliability
- Multiple isolation and preventive measures to ensure the safety of charging
- Three-phase unbalanced monitoring, suitable for special power grid environment

- 200~1000V
- Linux system
- Old and new countries standard compatibility
- Wiring is compatible

Charging is more compatible

- One pile to fix, 200~1000V constant power output
- using Linux system, support multi-platform access
- Compatible with the old and new national standard vehicle charging requirements
- Support the aluminum alloy wire access, reduce the investment cost

- Grooming process
- local-storage
- Intelligent operation and maintenance
- black box

Operation and maintenance is more convenient

- Life module adopts full glue process and lasting
- The BMS interaction data is stored locally
- Intelligent operation and maintenance management, remote OTA upgrade

Black box function

Zhenvision V2G integrated DC charging pile is a charging and discharging system for the bidirectional transmission of energy in the vehicle network. It can not only charge when the grid load is low, but also reverse transmit the energy stored in the electric vehicle battery to the grid when the grid load is high. Assist to balance the power grid load and improve the energy utilization efficiency. The system is composed of 30kW bidirectional AC / DC charging and discharging module, control system, distribution system, etc. It can reverse power to the power grid through charging pile, realize the coordinated ecology of vehicles, piles and power grid, and rationally use electric vehicle resources for peak shifting and valley filling, so that users can earn additional profits and realize flexible interaction of energy.

Product Parameter

power rating	60KW
input voltage	380V±15%
peak efficiency	≥95.5%
Input power factor	≥0.99
output voltage	1000V DC
Grid-connected input voltage	200~1000V DC
Grid-connected output voltage	260~485 V AC
Off-grid input voltage	250~1000V DC
Off-grid output voltage	380V AC
network interface	4G / Ethernet
screen size	7 Inch
Charging gun line length	5 m
Size (width, depth and height)	720*432*1750 (mm)
levels of protection	IP54
cooling-down method	forced air cooling
operating ambient temperature	-25°C~ +55°C
storage temperature	-35°C~ +65°C

National standard AC pile charging system



- The product has passed ISO 9001-2015 GB / T19001-2016 quality system certification and type test report.
- Charging information can be checked by swiping card, small program and charging APP, realizing the functions of charging, electricity statistics and identity identification.
- The screen can set the display customer service phone, according to different needs can choose to fill, according to time, according to electricity, according to the amount of charge.
- There is no need for on-site debugging, remote configuration upgrade, wireless 4G, wired networking function, combined with APP network operation.



National standard AC pile charging system



Product characteristics

Intelligent: high adaptability, intelligent protection, non-inductive payment, cloud management, swipe card, scan code, no noise.

Safety: prevent power grid leakage, vehicle leakage, rain, dust, overvoltage, overcurrent, lightning protection.

Diversified: flexible configuration, WIFI networking, multi-scene application, safe and free connection, wall hanging type, column type, standard 5-meter gun line, customizable and neutral.



Product Parameter

power	7 kW single gun	14 KW double gun
input voltage	220V±15%	220V±15%
input current on	32A	32A*2
output voltage	220V	220V
output	32A	32A*2
service frequency	50±5 Hz	50±5 Hz
communication interface	4G / Ethernet	4G / Ethernet
Charging mode	Single charge	Single gun / double gun charging
Charging gun line length	5m	5m
fixed form	Wall hanging / column	Wall hanging / column
Size (width, depth and height)	248*91*385(mm)	300*123*420(mm)
weight	<5 kg	<12kg
levels of protection	IP54	IP54
cooling-down method	natural cooling	natural cooling
operating ambient temperature	-20°C~+55°C	-20°C~+55°C
storage temperature	-35°C~+65°C	-35°C~+65°C
defensive function	Overpressure, overflow	Overpressure, overflow
Column size (width, depth and height)	270×120×1400(mm)	270×120×1400(mm)

Flexible group charging system



Zhenvision flexible group charging system is a universal mass charging architecture developed by Zhenvision. The host adopts magnetic retention PDU technology, full matrix energy distribution architecture, equipped with linux system, ARM 7 chip architecture, including two parts: charging host and charging terminal. The maximum support is 1280kW power output, built-in 40kW high-speed charging module and power sharing unit, the maximum support is 24 gun line output, terminal optional matching, support liquid cooling and natural cooling terminal.



Host

essential information	power rating	240kw - 720KW
	Heat dissipation method	forced air cooling
	levels of protection	IP54
	Support the number of guns	4~16
	communication interface	4G / Ethernet
	Size (width * depth * height)	992*1582*1950mm
input characteristics	input voltage	AC 380V ± 15%, 3L+N+PE
	incoming frequency	50±5 Hz
	power factor	0.99 (50% of the load)
	harmonic wave	5% (50% on the load)
	Input distribution	2 incoming lines (maximum load of 360 kW per route)
output characteristic	output voltage	150~1000Vdc
	Stable flow accuracy	≤ ±1%
	Stable pressure accuracy	≤ ±0.5%
	working temperature	- 25°C~ + 55°C
enviromental parameter	Storage temperature	- 35°C~ + 60°C
	above sea level	≤2000m
	relative humidity	5%RH ~ 95%RH
	noise level	≤ 65dB

Liquid-cooled flexible mass-charging system



Product characteristics

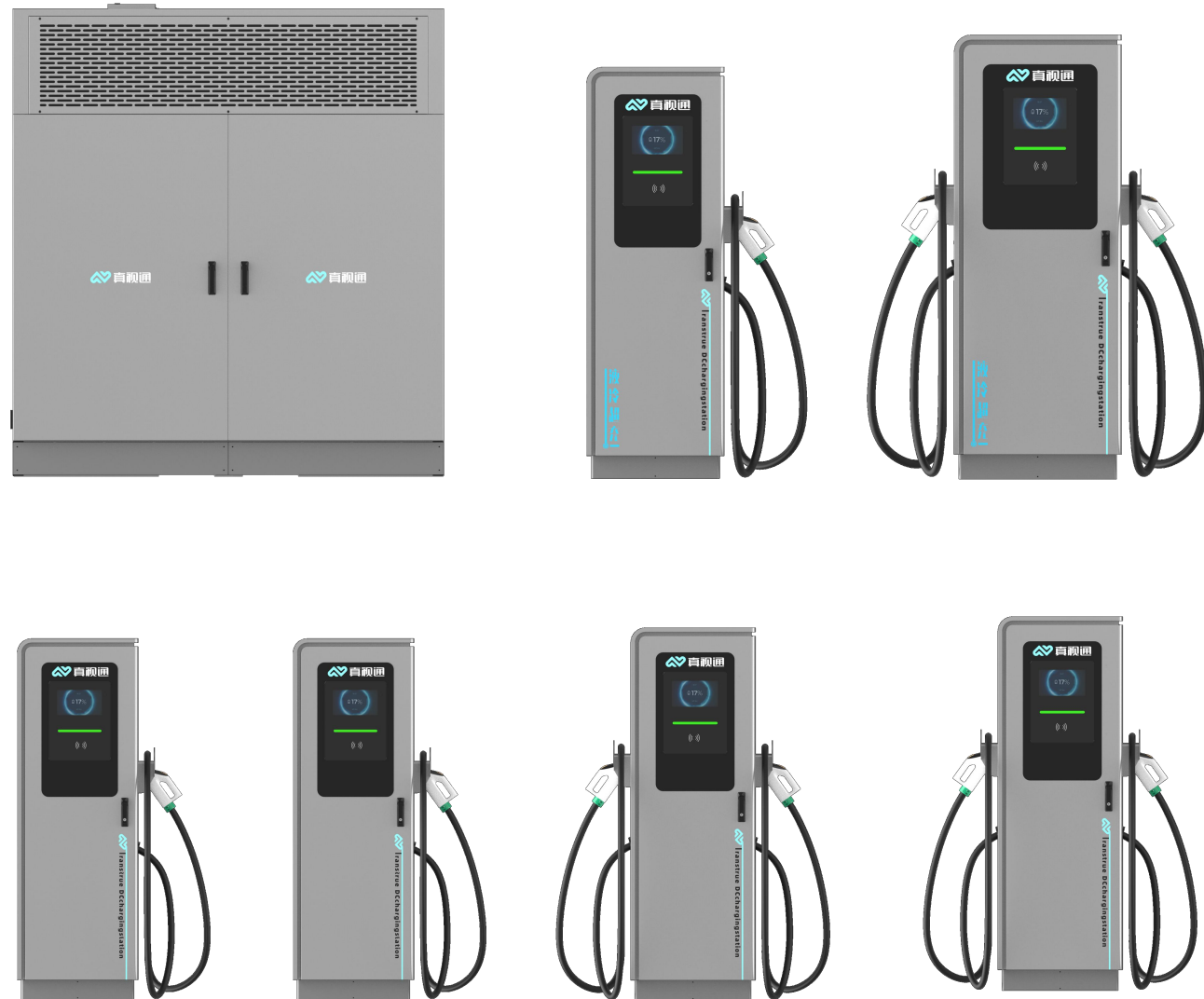
- linux System
- Constant voltage and constant power
- Active security system
- Remote OTA
- The ARM 7 chip architecture
- Automatic optimization allocation
- Black box function
- Copper / aluminum cable is compatible
- High integration
- High intelligent
- Flexible collocation
- Flexible charging

TV liquid cooling flexible mass charging system is two air and liquid integrated mass charging systems developed by TV TV. The host adopts magnetic retention PDU technology, full matrix energy distribution architecture, linux system, and equipped with ARM 7 chip architecture. Compared with traditional air-cooled terminal technology, the host has built-in 40kW high-speed charging module and power sharing unit, which supports flexible mix and match of liquid cooling and natural cooling terminal.

Terminal

	Terminal type	Liquid cooling terminal	Single gun terminal Double gun terminal
	essential information	Size (width * depth * height)	420*600*1700
Number of charging guns		1	Single gun / double gun
Gunwire length		5m	5m
way to install		Floor installation	Floor installation
levels of protection		IP54	IP54
Heat dissipation method		liquid cooling	Natural cold
output characteristic		output voltage	150~1000Vdc
	charging current	Maximum 600A	Single gun 250A
	power rating	600KW	250KW
Environmental requirements	noise level	≤50dB@25°C	≤50dB@25°C
	relative humidity	5%RH ~95%RH	5%RH ~95%RH
	above sea level	≤2000m	≤2000m
	working temperature	-25°C ~ +55°C	-25°C ~ +55°C
	storage temperature	-35°C ~ +65°C	-35°C ~ +65°C
operative norm		GB/T18487.1-2023 NB/T33008.1-2018	GB/T18487.1-2023 NB/T33008.1-2018

Full-liquid cooling flexible mass charge system

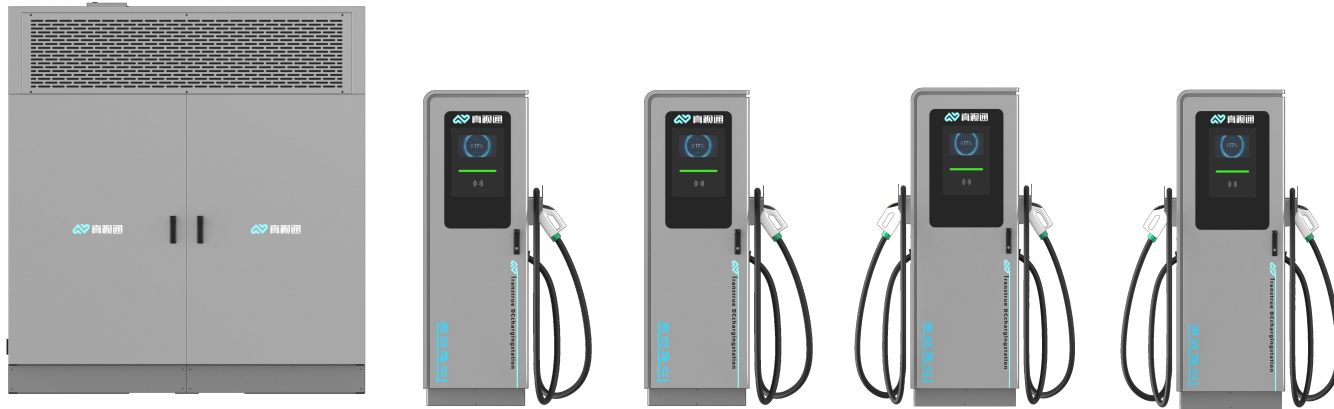


Full liquid cooling flexible mass charging is a full liquid cooling mass charging system developed by ZhenVision. Using the full matrix energy distribution architecture, linux system, equipped with ARM 7 chip architecture, compared with the air-liquid integrated mass charging system, the whole machine adopts the full liquid cooling technology. Support the maximum 720kW power output, built-in 60kW liquid-cooled charging module and magnetic retention power sharing unit, all gun heads can call any module and any combination, real-time power distribution in the optimal state, support 12 gun line output, support the mixing of liquid cooling and natural cooling terminals.

Host parameters

essential information	power rating	720kw
	Heat dissipation method	liqukd cooling
	levels of protection	IP54
	Support the number of guns	12+0/10+1/8+2
	communication interface	4G
	Size (width * depth * height)	2000*1100*2000 (mm)
input characteristics	input voltage	380V AC ± 15%
	incoming frequency	50±5 Hz
	power factor	0.99 (50% of the load)
	harmonic wave	5% (50% on the load)
	Input distribution	2 leads (360 kW per route)
output characteristic	output voltage	DC 150~1000V
	Stable flow accuracy	≤ ±1%
	Stable pressure accuracy	≤ ±0.5%
	working temperature	- 35°C~ + 55°C
enviromental parameter	Storage temperature	- 35°C~ + 70°C
	above sea level	≤2000m
	relative humidity	5%RH ~ 95%RH
	noise level	≤ 60dB

Full-liquid cooling flexible mass charge system



Product characteristics

- High security, high intelligence
- Flexible automatic allocation
- 800MHz CPU
- Liquid cooling power module
- One kilometer a second
- Highly integrated
- Dynamic real-time monitoring
- Full-matrix energy architecture
- Low noise and long life
- Active security system
- Black box function
- Full liquid cold super charge

The host engine adopts the full matrix energy distribution architecture, the linux system, and the ARM 7 chip architecture. Compared with the traditional mass charging system, it uses the full liquid cooling technology. The maximum power of a single gun is 600 Kw, and the output is arbitrarily allocated according to the dynamic real-time power usage of the host and the actual demand of the vehicle. The real-time power distribution is in the optimal state, and the mixing of liquid cooling and natural cooling terminals is supported.

Terminal parameters

essential information	product model	Liquid cold double gun terminal	Liquid cold single gun terminal	Single gun / double gun terminal
	Size (width * depth * height)	700*450*1800 (mm)	600*450*1800 (mm)	600*450*1800 (mm)
	Number of charging guns	2	1	Single gun / double gun
	Gunwire length	5m	5m	5m
	screen size	10.1 Inch	10.1 Inch	10.1 Inch
	way to install	Floor installation	Floor installation	Floor installation
	levels of protection	IP54	IP54	IP54
	Heat dissipation method	liqukd cooling	liqukd cooling	Natural cold
Environmental requirements	working temperature	-25 ~ +55°C	-25 ~ +55°C	-25 ~ +55°C
	storage temperature	-35°C~ +70°C	-35°C~ +70°C	-35°C~ +70°C
	relative humidity	5%RH ~95%RH	5%RH ~95%RH	5%RH ~95%RH
	above sea level	≤2000m	≤2000m	≤2000m
	noise level	≤50dB	≤50dB	≤50dB
output characteristic	output voltage	150~1000Vdc	150~1000Vdc	150~1000Vdc
	charging current	Single gun 600A	Single gun 600A	Single gun 250A
	power rating	600KW	600KW	250KW
operative norm	GB/T27930-2022 GB/T18487.1-2023 NB/T33008.1-2018		GB/T27930-2022 GB/T18487.1-2023 NB/T33008.1-2018	GB/T18487.1-2023 NB/T33008.1-2018

Mobile storage and charging system



Product characteristics



L I N U X S y s t e m



The ARM 7 chip architecture



High efficiency and high compatibility



Flexible automatic allocation



Charge and release integration



Optical storage and charging coordination



Can be embedded in energy storage containers



Emergency power supply guarantee

ZSTDC0101K-L mobile energy storage special charging system is a full matrix mass charging for mobile energy storage charging developed by Zhenvision. It adopts magnetic retention PDU technology and is integrated. Standard with 3 DC fast charging guns and 1 liquid-cooled overcharging gun according to the actual demand of electric vehicles during the charging process, allocate optimal power dynamically and support 480KW constant power output; Mobile energy storage special charging system can be equipped with 1044kwh large capacity energy storage, with container design, with high integration level and convenient transportation. The large capacity mobile energy storage charging system can realize the coordinated operation of photovoltaic, energy storage and charging system. In the low load period, photovoltaic and power grid can charge the energy storage. In the load peak period, photovoltaic and energy storage jointly supply the charging system and the facilities in the station. The system is suitable for optical storage and charging stations, industrial and commercial energy storage mobile charging, temporary power guarantee for power consumption units, disaster rescue emergency power supply guarantee and other scenarios.

Product

essential information	power rating	480kw
	Heat dissipation method	forced air cooling
	levels of protection	IP54
	Support the number of guns	3 + 1 Liquid cold
	communication interface	4G
	screen size	10.1 Inch
	Size (width * depth * height)	1990*995*1950 (mm)
input characteristics	input voltage	DC 250~825V
	productiveness	≥95%
	input currenton	Peak current rated current 110%
	Input distribution	2 incoming lines (240kw per road)
output characteristic	output voltage	DC 150~1000V
	Stable flow accuracy	≤ ±1%
	Stable pressure accuracy	≤ ±0.5%
enviromental parameter	working temperature	- 35°C~ + 55°C
	Storage temperature	- 35°C~ + 70°C
	above sea level	≤2000m
	relative humidity	5%RH ~ 95%RH
	noise level	≤ 65dB

European standard AC pile charging system



Product characteristics



Strong compatibility

It can be adapted to different types of European standard electric vehicles, whether pure electric vehicles or plug-in hybrid vehicles, they can use the European standard AC charging pile for charging.



dynamic balance

Compatible with dynamic load balancing technology, effectively improve the system efficiency.



Efficient and stable

Efficient conversion charging technology can charge electric vehicles at a relatively fast speed.



on the safe side

Over voltage protection, under voltage protection, short circuit protection, overload protection, grounding protection, over temperature protection, low temperature protection, lightning protection, leakage protection.

Product is compatible with open charging protocol standard OCPP 1.6 is compatible with the latest DIN70122 communication protocol.

According to different needs, you can choose to charge until full time, time, quantity and amount. It supports wireless 4G and wired networking functions, and is combined with mobile APP network operation.

Product Parameter

standard	European standard CCS2			
power	7KW	11KW	14KW	22 KW
The number of guns	one-gun	one-gun	Double gun	Double gun
input voltage	220V±10%	380V±10%	220V±10%	380V±10%
input currenton	32A	16A	32A*2	16A*2
output voltage	220V±10%	380V±10%	220V±10%	380V±10%
output	32A	16A	32A*2	16A*2
communication interface	4G / Ethernet / offline			
screen size	A 4.3-inch color display touch screen			
Charging gun line length	With a gun (5 m gun line)			
Dimensions (height X width X deep)	326*220*97mm			
weight	≤6KG	≤6.5KG	≤10 KG	≤6.5KG
levels of protection	IP54			
cooling-down method	Natural cold			
defensive function	Overvoltage, overcurrent, lightning protection, short circuit			
operating ambient temperature	-20°C ~ +50°C			
storage temperature	-25°C~ +55°C			

Some technical parameters of the specific product have variability and are not listed in detail, please refer to the documentation

European standard DC pile charging system



Product characteristics

- Compatible with the open charging protocol standard OCPP 1.6.
- EU CE certification, compatible with the latest DIN70122 communication protocol.
- Integrating Ethernet and 4G communication mode, the cloud platform service system realizes the functions of user charging, user settlement, report statistics, equipment maintenance, remote monitoring and management, and managers can easily count the operation of charging stations.
- Through the APP, it can realize positioning, navigation, booking charging, scanning code charging, swiping card charging, live query and other functions.
- Diversified charging methods, automatic, quantitative, quota, SOC charging. Powerful power division, constant power function.
- Perfect electrical safety design, with timing, real-time monitoring of safety protection, pre-diagnosis of equipment abnormalities, alarm feedback, BMS autonomous safety protection and other functions.
- IP55 protection grade, moisture-proof, mildew-proof, waterproof, dustproof, flame retardant. With over-temperature, overload, short circuit, leakage, battery anti-reverse connection and other protection functions.
- Humanized design, convenient for customers to swipe the card, gun charging, emergency emergency stop and other operations. The charging gun head is equipped with an electronic lock, which prevents the gun head from being pulled out at will in the charging state to ensure personal safety.

European standard DC all-in-one machine is a charging all-in-one machine developed by Zhenvision for different types of European standard electric vehicles. Whether pure electric vehicles or plug-in hybrid vehicles, they can use European standard AC charging pile for charging. The charging system is composed of a charging module with the function of automatic correction of source power factor. It has the functions of human-computer interaction, card swiping, billing, settlement, remote communication and control, and has comprehensive and safe protection measures. It can be widely used in public areas, parking lots, large bus stops, etc.

Product Parameter

power	120kW	160KW	180kW
The number of guns	Double gun		
input voltage	AC 380V±15%		
output voltage	150-1000V dc		
Single-gun maximum output current	250 A	250 A	250 A
Whole-length pile output current range	5~400 A	5~532A	5~600A
Constant power range	300-1000V dc		
service frequency	45-60Hz		
power factor	≥0.99		
peak efficiency	95%		
litterae credentials	CE		
communication interface	4G / Ethernet		
screen size	7 Inch		
Charging gun length	5m * 2		
Size (width, depth and height)	750 * 747* 1850 (mm)		
levels of protection	IP55		
cooling-down method	forced air cooling		
operating ambient temperature	-25°C~+55°C		
storage temperature	-35°C~+65°C		

Operation management platform



Equipment alarm monitoring

Provide monitoring of charging stations and charging piles in different dimensions, Centralized and real-time monitoring of pile tip alarm is carried out.

Operation and maintenance work order system

Automatically distribute operation and maintenance work orders according to alarm levels and strategies.

Intelligent analysis of operation and maintenance

According to the comprehensive analysis of equipment alarm, operation and maintenance work order, equipment failure and other data..



Operation and management platform system

Each scenario solution adopts AC charging pile and DC charging pile combined with intelligent charging management platform to create intelligent parking lot; charging information. The operation management system has equipment monitoring, operation and maintenance management, remote upgrade, real-time view of revenue situation, transaction reconciliation, site monitoring, fund settlement and other daily management functions, and has both operation and management functions such as data summary and operation optimization, easily realizing site management. We will support the docking of 70 + large and small platforms such as State Grid, South Grid, Cloud Fast Charging, Fast Power, New Electric Way, Xingxing Charging, and Wei Jingyun, and promote the high-speed integration and interconnection of the Internet of Vehicles.

APPLICATION CASES 03

Part of the application cases





applicable scene



Public parking lot



Hotel / Business Body



industrial parks



Heavy card scene

Liquid-cooled overcharging scheme: to meet the high-speed charging needs of vehicles in vehicle brand stations, high-speed service areas, heavy truck charging stations and other scenarios.

Airport charging scheme: to meet the needs of efficient charging and convenient operation and maintenance of airport shuttle buses, tractors, baggage car and other vehicles.

Ship charging scheme: to meet the rapid charging requirements of small and medium-sized vessels in high humidity and high salt fog environment.

Heavy truck charging scheme: to meet the needs of high reliability and fast charging of heavy truck vehicles in transit, steel mills, power plants, logistics parks, ports, etc.



residential quarter



Community parking lot



enterprise and institution



underground garage