

YOUR PREMIER EV CHARGING SOLUTIONS PROVIDER



Guangzhou FastConcept New Energy Co., Ltd.

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ABOUT US

Guangzhou FastConcept New Energy Co., Ltd is a high-tech enterprise focusing on the research, development, production, and sales of new energy vehicle charging equipment. Our main products include EV chargers, portable ev charger, grounding and protection devices, and related smart accessories.

As an intelligent manufacturing company with independent R&D and production capacity, we integrate the "Internet Plus" concept into new energy vehicle charging systems, giving our products distinctive advantages in efficiency, safety, and intelligence.

Our factory covers more than 4500m² square meters and employs over 200 skilled professionals. We strictly control every stage of the production process and have obtained ISO9001, ISO14001, and ISO45001 management certifications, as well as multiple international product certificates including CE, ROHS, UKCA, and FCC. The company currently holds over 30 technical patents, reflecting our strong commitment to technological advancement and quality excellence.

We adhere to a customer-centric philosophy, aiming to provide global partners with reliable technology, premium products, and comprehensive technical support. Through continuous innovation and social responsibility, we strive to become a world-class EV charging solution provider, empowering the growth of the global new energy industry.

Milestones

2017-2019

Officially established Car Charger Guardian Technology Co., Ltd on May 17, 2017. Began R&D and production of a complete range of new energy vehicle charging equipment.

2022-2023

Ranked among the Top 3 EV charging equipment suppliers in the domestic market. Strengthened brand awareness and market reputation.

2025

Launch of the next-generation product, the portable all-in-one Type 1.5 charging technology—QD10.

2020-2021

Continued investing in R&D and product innovation. Expanded production capacity and upgraded facilities to meet growing market demand.

2024

Expanded factory base with advanced intelligent production lines. Passed ISO9001 re-certification and earned the title of "Trusted EV Charger Brand in China."

2026

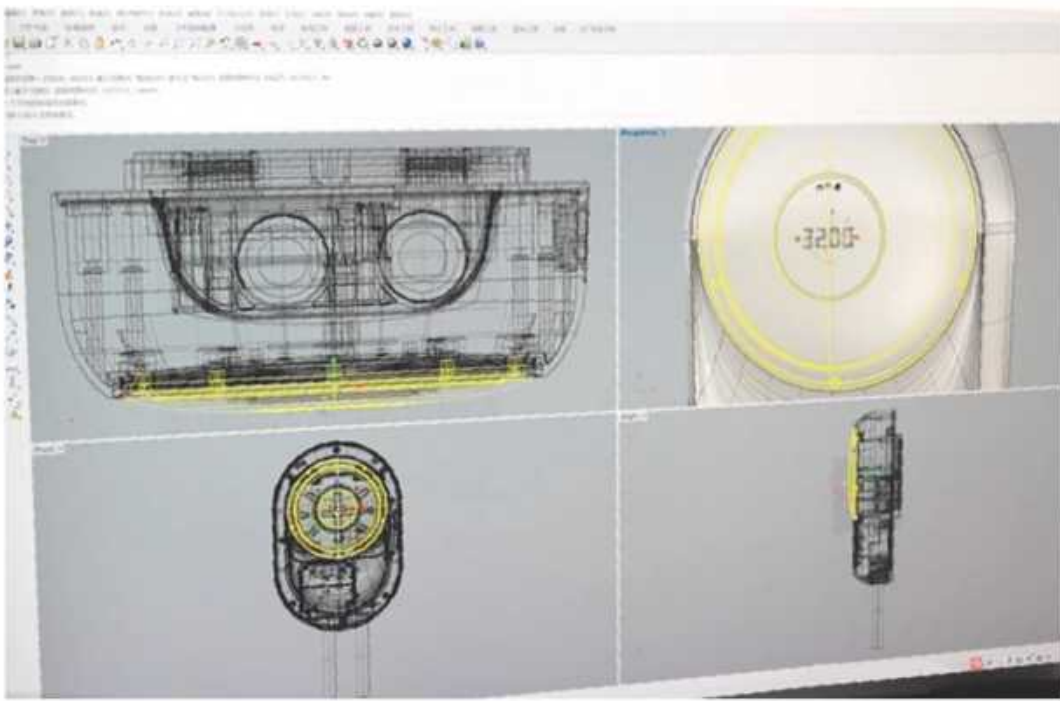
Further expanding into international markets with a focus on safety, intelligence, and efficiency.

R&D Innovation & Exclusive Molding

-Driving Innovation, Leading the Future of EV Charging



Car Charger Guardian is deeply engaged in research and development design in the field of new energy charging equipment, gathering experienced elites in the industry and keeping up with cutting-edge trends. Exclusive molds crafted with heavy investment, leading peers in creativity and craftsmanship. This not only ensures high-quality and standardized products, but also enables easy personalized customization. With the advantages of both, we endow our products with strong competitiveness, continuously create extraordinary value for customers, and lead the industry in new directions.



Comprehensive OEM / ODM Services

We provide a wide range of customization options to help our partners build their own unique charging products.



Light Customization

Free logo design and branding support
Customized packaging, cartons, and labels



PCBA Solution

We have professional engineers who design circuit board solutions to solve hardware problems, and we can also connect through protocols based on your platform or app.



3D &Pattern Customization

Customizable Top Panel Pattern and product finishes
Distinctive visual identity to differentiate your brand. We can also do 3D design.



Specification&Functional Customization

Options for cable materials, lengths, connector types, and plug standards
Customizable software and DLB (Dynamic Load Balancing) APP/OCPP versions for enhanced functionality

We offer flexible OEM/ODM cooperation models — from concept to mass production — helping our partners bring innovative charging solutions to market faster.

Workshop | Efficient Production, Quality First

Our factory spans approximately 4,500 m², featuring spacious and well-lit workshops and over 200 skilled employees. With a daily production capacity exceeding 1,000 units, we demonstrate strong manufacturing capabilities. Strictly adhering to international standards, our factory is ISO9001 certified, ensuring comprehensive quality control from production to inspection, delivering high-quality and reliable products to our clients.

4500⁺m²
Facility area

1000⁺
Sample inventory

50⁺
Professional equipment

30⁺
Exclusive patents

200⁺
Staff

100⁺
R&D molds



Comprehensive Testing Equipment

Quality First

Our factory is equipped with advanced testing equipment, covering the entire quality control process from components to finished products, ensuring every item meets the highest standards:



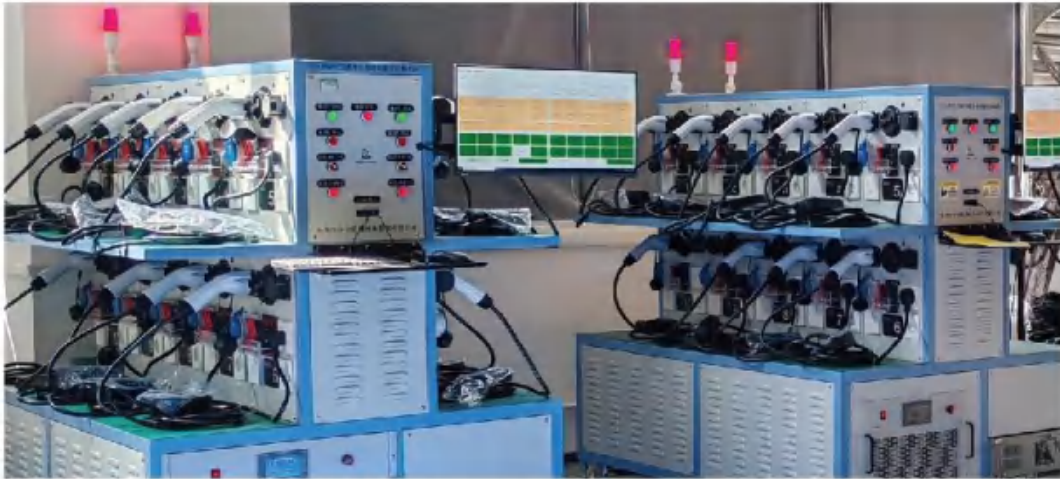
Environmental High & Low Temperature Tester
Simulates extreme conditions to verify product stability



Comprehensive Tester
Multi-functional testing to ensure reliable product performance



portable ev charger & Cable Tester
Ensures safety and optimal performance of charging devices



Aging Test Equipment
Simulates long-term use to assess product durability



Component High & Low Temperature Tester
Rigorously tests key parts for temperature tolerance



Laser Engraving Machine
High-precision marking and anti-counterfeiting



Plug-in/Press Tester
Tests connector durability and mechanical lifespan



Motherboard Solution Tester
Ensures stability and reliability of electronic solutions

Certifications & Honors

Professional, Trusted, Reliable

We consistently uphold high manufacturing standards and strict management, earning multiple certifications and industry honors for our quality products and professional services:



- ISO9001 International Quality Management System Certification
- FCC/CE/UL Safety Certifications (adjust based on products)
- Multiple Exclusive Patents, showcasing industry-leading technology
- Membership in Industry Associations, actively contributing to standard development
- Customer Recognition Awards, consistently praised by partners

These certifications and honors demonstrate our professional capabilities and commitment to quality and service.

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ZD01 Classic Model

Ideal for both residential and commercial use.



App control (Wifi/Bluetooth)



RFID card



OCPP(Commercial payment)

Product Type	TYPE 2 / GBT			TYPE 1 / Tesla		
Execution Standard	IEC 62196 / GB 44262			SAE J1772 / NACS		
Rated power	7kW	11kW	22kW	7kW	9.6kW	11kW
Rated Voltage	230V	380V	380V	240V	240V	240V
Rated Current	32A 1P	16A 3P	32A 3P	32A	40A	48A
Version	RFID card/APP control/OCPP			RFID card/APP control		
Display Mode	LED(with kwh/A/V/H/°C)					
Wall-box Size	180mm(L)*245mm(W)*116mm(H)					
Waterproof Rating	IP65					
Impact Rating	IK10					
Working Environment	-20°C~+50°C, <2000m, 5%RH-95%RH					
Certification	CE / FCC / 3C / IP65 / IK10					
Patent Number	ZL 202230862689.4					
Feature	Smart Scheduled Charging / Current Regulation / Over-temperature Protection / Emergency Stop Button / RCD (30mA AC + 6mA DC) / Durable TPU Cable, etc..					



ZD05 Customizable Panel Model

Perfect for branding or project customization.

SUPERGENIE.



Flexible customization, fashionable designs tailored exclusively for your market.



OCPP(Commercial payment)

Product Type	TYPE 2 / GBT			TYPE 1 / Tesla		
Execution Standard	IEC 62196 / GB 44262			SAE J1772 / NACS		
Rated power	7kW	11kW	22kW	7kW	9.6kW	11kW
Rated Voltage	230V	380V	380V	240V	240V	240V
Rated Current	32A 1P	16A 3P	32A 3P	32A	40A	48A
Version	RFID card/APP control/OCPP			RFID card/APP control		
Display Mode	LED(with kwh/A/V/H/°C)					
Wall-box Size	178mm(L)*322mm(W)*85mm(H)					
Waterproof Rating	IP65					
Impact Rating	IK10					
Working Environment	-20°C~+50°C, <2000m, 5%RH-95%RH					
Certification	CE / FCC / 3C / IP65 / IK10					
Patent Number	ZL202230671487.1					
Feature	Smart Scheduled Charging / Current Regulation / Over-temperature Protection / Emergency Stop Button / RCD (30mA AC + 6mA DC) / Durable TPU Cable, etc..					



ZD05 Dynamic Load Balancing

Perfect for branding or project customization.



High-definition display screen



Suitable for solar power



Product Type	TYPE 2 / GBT			TYPE 1 / Tesla		
Execution Standard	IEC 62196 / GB 44262			SAE J1772 / NACS		
Rated power	7kW	11kW	22kW	7kW	9.6kW	11kW
Rated Voltage	230V	380V	380V	240V	240V	240V
Rated Current	32A 1P	16A 3P	32A 3P	32A	40A	48A
Version	RFID card/APP control			RFID card/APP control		
Display Mode	LED(with kwh/A/V/H/°C)					
Wall-box Size	178mm(L)*322mm(W)*85mm(H)					
Waterproof Rating	IP65					
Impact Rating	IK10					
Working Environment	-20°C~+50°C, <2000m, 5%RH-95%RH					
Certification	CE / FCC / 3C / IP65 / IK10					
Patent Number	ZL202230671487.1					
Feature	Smart Scheduled Charging / Current Regulation / Over-temperature Protection / Emergency Stop Button / RCD (30mA AC + 6mA DC) / Durable TPU Cable, etc..					



ZD06 Advanced Professional Model

Equipped with advanced hardware and intelligent management system for professional-grade use.

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App control(Wifi/Bluetooth)



Fingerprint recognition



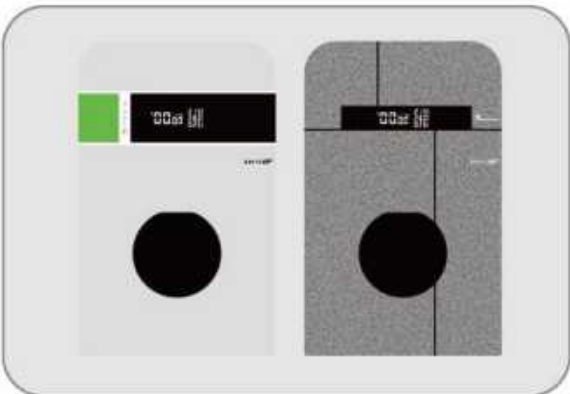
OCPP(Commercial payment)

Product Type	TYPE 2 / GBT			TYPE 1 / Tesla		
Execution Standard	IEC 62196 / GB 44262			SAE J1772 / NACS		
Rated power	7kW	11kW	22kW	7kW	9.6kW	11kW
Rated Voltage	230V	380V	380V	240V	240V	240V
Rated Current	32A 1P	16A 3P	32A 3P	32A	40A	48A
Version	RFID card/APP control Fingerprint recognition			RFID card/APP control		
Display Mode	LED(with kwh/A/V/H/°C) + Flow lights					
Wall-box Size	325mm(L)*220mm(W)*100mm(H)					
Waterproof Rating	IP65					
Impact Rating	IK10					
Working Environment	-20°C~+50°C, <2000m, 5%RH-95%RH					
Certification	CE / FCC / 3C / IP65 / IK10					
Patent Number	ZL 202230671480.X					
Feature	Smart Scheduled Charging / Current Regulation / Over-temperature Protection / Emergency Stop Button / RCD (30mA AC + 6mA DC) / Durable TPU Cable, etc..					



ZD16 Socket-Type Wireless Output Model

Designed without a fixed charging cable; Charging via detachable connector cable.



Flexible customization, fashionable designs tailored exclusively for your market.



App control (Wi-fi / Bluetooth)



OCPP(Commercial payment)

Product Type	TYPE 2 / GBT			TYPE 1		
Execution Standard	IEC 62196 / GB 44262			SAE J1772		
Rated power	7kW	11kW	22kW	7kW	9.6kW	11kW
Rated Voltage	230V	380V	380V	240V	240V	240V
Rated Current	32A 1P	16A 3P	32A 3P	32A	40A	48A
Version	RFID card/APP control/OCPP			RFID card/APP control		
Display Mode	LED(with kwh/A/V/H/°C)					
Wall-box Size	380mm(L)*240mm(W)*105mm(H)					
Waterproof Rating	IP55					
Working Environment	-20°C~+50°C, <2000m, 5%RH-95%RH					
Certification	CE / FCC / 3C / IP55					
Feature	Smart Scheduled Charging / Current Regulation / Over-temperature Protection / Emergency Stop Button / RCD (30mA AC + 6mA DC), etc..					



QD08 Charging Cable



Used for socket charging Pile



99.9% Copper and TPU Cable

Product Type	TYPE 2 / GBT				TYPE 1 / Tesla		
Execution Standard	IEC 62196 GB 44262				SAE J1772 / NACS		
Rated power	3.5kW	7kW	11kW	22kW	3.5kW	9.6kW	11kW
Rated Voltage	230V	230V	380V	380V	240V	240V	240V
Rated Current	16A 1P	32A 1P	16A 3P	32A 3P	16A	40A	48A
Waterproof Rating	IP55						
Operating Environment	-45°C~+85°C, <2000m, 5%RH-95%RH						
Mating Cycles	≥10000 times						
Insulation Class	500V						
Certification	CE / TUV						
Feature	Built for socket-type chargers with 99.9% copper and a 105°C-rated TPU cable for superior wear and bend resistance.						






TYPE 1


TYPE 2


GBT

QD10 Upgraded All-in-One Portable Model

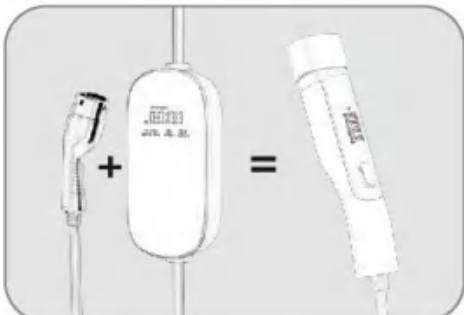
Safety | Durability | Convenience



SUPERGENIE.



APP control (Wi-Fi / Bluetooth)



Sleek Design



Mode 2 PABC



EU



UK



AU



RSA



NEMA 6-15P



NEMA 14-50P



BRA



EU-CEE



AUS-32

Product Type	TYPE 2 / GBT		TYPE 1	
Execution Standard	IEC 62196 / GB 44262		SAE J1772	
Rated power	3.5kW	7kW	3.5kW	7kW
Rated Voltage	230V	230V	240V	240V
Rated Current	16A	32A	16A	32A
Version	Plug and Charge / APP control			
Display Mode	LED(with kwh/A/V/H/°C)			
Wall-box Size	303.6mm(L)*63.6mm(W)*71.3mm(H)			
Waterproof Rating	IP65			
Impact Rating	IK10			
Working Environment	-20°C~+50°C, <2000m, 5%RH-95%RH			
Certification	CE / FCC / 3C / IP65 / IK10			
Patent Number	ZL 202530215294.9			
Feature	Smart Scheduled Charging / Current Regulation / Over-temperature Protection / Emergency Stop / RCD (30mA AC + 6mA DC) / Durable TPU Cable, etc..			



TYPE 2



GBT

QD10 All-in-One Charger and Discharger

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Rail-mounted power strip



APP control(Charging)



EU

UK

AU

RSA

NEMA 6-15P

NEMA 14-50P

BRA

EU-CEE

AUS-32

Product Type	TYPE 2 / GBT	
Execution Standard	IEC 62196 / GB 44262	
Rated Charging Power	3.5kW	7kW
Rated Charging Current	16A	32A
Rated Discharging Power	3.5kW	
Rated Discharging Current	16A	
Rated Voltage (Charging/Discharging)	240V	
Version	Plug and Charge/APP control(Charging)	
Display Mode	LED (with kwh/A/v/H/°C)	
Wall-box Size	303.6mm(L)*63.6mm(W)*71.3mm(H)	
Models with V2L	Compatible with 80%+ of vehicle models, please contact me.	
Working Environment	-20°C~+50°C, <2000m, 5%RH~95%RH	
Certification	CE / FCC / IP65 / IK10	
Patent Number	ZL 202530215294.9	
Feature	Smart Scheduled Charging / Current Regulation / App control / V2L discharge / Multiple sockets / ICD (30mA AC + 6mA DC) / Durable TPU Cable,etc..	



- 
TYPE 1
- 
TYPE 2
- 
GBT
- 
Tesla

QD07 Customizable Panel Model

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Customizable panel stickers for personalized or branded design.



App control (Wifi/Bluetooth)



EU UK AU RSA NEMA 6-15P NEMA 14-50P BRA EU-CEE AUS-32

Product Type	TYPE 2 / GBT		TYPE 1 / Tesla	
Execution Standard	IEC 62196 / GB 44262		SAE J1772 / NACS	
Rated power	3.5kW	7kW	3.5kW	7kW
Rated Voltage	230V	230V	240V	240V
Rated Current	16A	32A	16A	32A
Version	Plug and Charge/APP control		Plug and Charge/APP control	
Display Mode	LED(with kwh/A/V/H/°C) + Flow lights			
Wall-box Size	220mm(L)*100mm(W)*50mm(H)			
Waterproof Rating	IP65			
Impact Rating	IK10			
Working Environment	-20°C~-+50°C, <2000m, 5%RH-95%RH			
Certification	CE / FCC / 3C / IP65 / IK10			
Patent Number	ZL 202330682594.9			
Feature	Smart Scheduled Charging / Current Regulation / Over-temperature Protection / RCD 30mA / TPU cable, etc.			



TYPE 1



TYPE 2



GBT



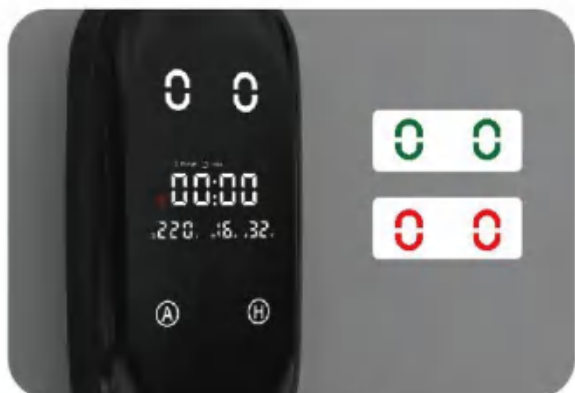
Tesla

QD12 Interactive Light Portable EV Charger

Features “blinking” interactive lighting for a modern and engaging user experience.



App control (Wi-Fi / Bluetooth)



Sparkling Eye Light



EU



UK



AU



RSA



NEMA 6-15P



NEMA 14-50P



BRA



EU-CEE



AUS-32

Product Type	TYPE 2 / GBT		TYPE 1 / Tesla	
Execution Standard	IEC 62196 / GB 44262		SAE J1772 / NACS	
Rated power	3.5kW	7kW	3.5kW	7kW
Rated Voltage	230V	230V	240V	240V
Rated Current	16A	32A	16A	32A
Version	Plug and Charge/APP control		Plug and Charge/APP control	
Display Mode	LED(with kwh/A/V/H/°C) + Eye flow light			
Wall-box Size	214mm(L)*94mm(W)*50mm(H)			
Waterproof Rating	IP65			
Working Environment	-20°C~+50°C, <2000m, 5%RH-95%RH			
Certification	CE / FCC / 3C / IP65			
Patent Number	ZL 202330080187.0			
Feature	Smart Scheduled Charging / Current Regulation / Over-temperature Protection / RCD 30mA / TPU cable, etc.			



QD15 Three-phase portable charger



Adjust Current & Time



APP control



EU UK AU RSA Adapter Cable

Product Type	TYPE 2 / GBT	
Execution Standard	IEC 62196 / GB 44262	
Rated power	11kW	22kW
Rated Voltage	400V	400V
Rated Current	16A	32A
Version	Plug and Charge/APP control	
Display Mode	2.8-inch screen LCD(with kwh/A/V/H/°C)	
Wall-box Size	240mm(L)*111mm(W)*59mm(H)	
Waterproof Rating	IP65	
Socket	CEE	
Working Environment	-20°C~+50°C, <2000m, 5%RH-95%RH	
Certification	CE / FCC / IP65	
Feature	Smart Scheduled Charging / Current Regulation / Over-temperature Protection / RCD 30mA +6mA DC / TPU cable,etc.	



FD03 V2L Portable EV Discharger



Outdoor Activities



Emergency Power Supply

Product Type	TYPE 2 / GBT / TYPE 1
Socket	German/Australian/British/American/OEM
Rated power	3.6kW
Rated Voltage	230V
Rated Current	16A
Startup Mode	Touch switch
Display Method	LED(kwh)
Dimensions	φ77mm*221mm(H)
Unplug lifetime	≥10000 times
Operating Environment	-20°C~+50°C, <2000m, 5%RH-95%RH
Certifications	CE
Patent Number	ZL 2022306736743
Feature	Electric vehicles discharge externally for outdoors equipment and emergency use; OEM Service available for different vehicle models, or countries.



FD05 V2L Adapter(with cable)

Allows power extraction from charging station or Plug via Type 2 interface.

SUPERGENIE.



Electricity Consumption
LED display



Outdoor Electricity
Consumption

Product Type	TYPE 2 / GBT / TYPE 1
Socket	German/Australian/British/American/OEM
Rated power	3.6kW
Rated voltage	230V
Rated current	16A
Startup mode	Touch switch
Display mode	LED(kwh)
Body size	φ70mm*135mm(H)
Usage count	≥10000 times
Working environment	-20°C~+50°C, <2000m, 5%RH-95%RH
length	0.6 meters/1.5 meters/3 meters
Patent Number	ZL 202430150237.2
Feature	Enables power conversion from AC charging stations to a standard outlet for charging devices such as e-motorcycles, wheelchairs, and lawn equipment, etc..



FD06 EV charger to socket Adapter (with cable)

Allows power extraction from charging station or Plug via Type 2 interface.



Electricity Consumption LED display



Outdoor Electricity Consumption

Product Type	TYPE 2 / GBT / TYPE 1
Socket	German/Australian/British/American/OEM
Rated power	3.6kW
Rated voltage	230V
Rated current	16A
Startup mode	Touch switch
Display mode	LED(kwh)
Body size	φ70mm*135mm(H)
Usage count	≥10000 times
Working environment	-20°C~+50°C, <2000m, 5%RH-95%RH
length	0.6 meters/1.5 meters/3 meters
Patent Number	ZL 202430150237.2
Feature	Enables power conversion from AC charging stations to a standard outlet for charging devices such as e-motorcycles, wheelchairs, and lawn equipment, etc..



FD07 V2L discharge Adapter

Allows power extraction from charging station or Plug via Type 2 interface.

SUPERGENIE.



Electricity Consumption
LED display



Outdoor Electricity
Consumption

Product Type	TYPE 2 / GBT / TYPE 1
Socket	German/Australian/British/American/OEM
Rated power	3.6kW
Rated Voltage	230V
Rated Current	16A
Startup Mode	Touch switch
Display Method	LED(kwh)
Dimensions	φ70mm*175mm(H)
Unplug lifetime	≥10000 times
Operating Environment	-20°C~+50°C, <2000m, 5%RH-95%RH
Patent Number	ZL 2022306736743
Feature	Electric vehicles discharge externally for outdoors equipment and emergency use; OEM Service available for different vehicle models, or countries.



FD08 Charging Adapter (screen display)

Allows power extraction from charging station or Plug via Type 2 interface.

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T1-T2 1P



Electricity Consumption
LED display



Emergency Power Supply



T2-T1 1P

T2-GBT 1P

T1-GBT 1P

GBT-T2 1P

GBT-T1 1P

T2-GBT 3P

GBT-T2 3P

Product Type	T2-T1 1P	T2-GBT 1P	T1-T2 1P	T1-GBT 1P	GBT-T2 1P	GBT-T1 1P	T2-GBT 3P	GBT-T2 3P
Applicable	Type 2 to Tpye 1	Type 2 to GBT	Type 1 to Tpye 2	Type 1 to GBT	GBT to Tpye 2	GBT to Tpye 1	Type 2 to GBT	GBT to Tpye 2
Rated power	7kW MAX						22kW MAX	
Rated Voltage	AC 110V~250V(single-phase)						AC 250V/AC480V (three-phase)	
Rated Current	32A MAX							
Display Method	LED (with kwh)						None	
Startup mode	Plug and Play							
Dimensions	φ70mm*174mm(H)							
Unplug lifetime	>10000 times							
Working Environment	-20°C~+50°C, <2000m, 5%RH~95%RH							
Certificatio	CE/FCC							
Feature	OEM/ODM compatible, with screen charging display, suitable for various charging standard chargers and adapters for charging ports.							



W08 EV Ground Adapter

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Product Type	EU Schuko / UK / AU / RSA
Socket	EU Schuko / UK / RSA / Universal
Rated power	3.6kW
Rated voltage	100V~250V 50/60Hz
Rated current	16A
Startup mode	Plug and play / Extended charging time
Display mode	LED(kWh)
Body size	φ70mm*138mm(H)
Usage count	≥10000 times
Working environment	-20°C~+50°C,<2000m,5%RH~95%RH
length	0.6 meters/1.5 meters/3 meters/5 meters/10 meters
Feature	This device is designed for non-earthed sockets. It resolves the issue where portable EV chargers fail to charge due to earth fault alerts. Features extended charging time, high and low temperature protection, overcurrent protection, and overvoltage protection.

Customizable Top Panel Designs

Options to Match Your Brand and Product Strategy

EV charging station



Customizable Top Panel Designs

Options to Match Your Brand and Product Strategy

Portable EV charging

