

Ruivanda®

Corporate Brochure

EV CHARGER
MANUFACTURE

Make The Car
Charging
Safer



COMPANY

PROFILE

FOCUS ON THE FIELD

OF NEW ENERGY VEHICLE CHARGING

About us

Nanjing Ruifanda New Energy Technology Co, Ltd. is a High-tech Manufacturer of New Energy Electric Vehicle Charging Equipments, As a professional EVSE manufacturer, its Ruivanda brand, in the domestic online sales platform, the market share ranks first and belongs to the industry's first-line leading brand.

Our company has 8000 square meters of factory space and about 200 employees. Our corporate vision is to make electric vehicles safer to charge and worry-free to drive.

Market Growth

According to statistics, The EV charger keeps up with the development of new energy vehicles, and the sales of new energy vehicles continue to rise. Therefore, EV charger station will be another big market after gas stations.

We will contribute to the promotion and application of new energy vehicles worldwide. Our corporate goal: is to build a first-class enterprise and create an international brand.



We are committed to providing our customers with innovative products that represent the latest technology in electric vehicle charging and offering excellent customer service. ODM and OEM services are available.



Ruivanda®

Our products have passed CE, UL, CQC, FCC, ROHS,RCM,ETL and other domestic and foreign authorities issued by the quality inspection certification, and the application of a number of invention patents in the product.



CONTENT

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Product Development Philosophy: Safety as the first guide.
The company attaches great importance to quality and technology, each product in the market before, has gone through a lot of testing and verification.



PRODUCTION SERIES

The Production Series includes 13 models:

- 1 PEV-01
- 2 PEV-02
- 3 PEV-03
- 4 PEV-04
- 5 PEV-05
- 6 PEV-06
- 7 PEV-07
- 8 PEV-09
- 9 PEV-09plus
- 10 PEV-10
- 11 PEV-11
- 12 PEV-12
- 13 PEV-15

Key features and protections:

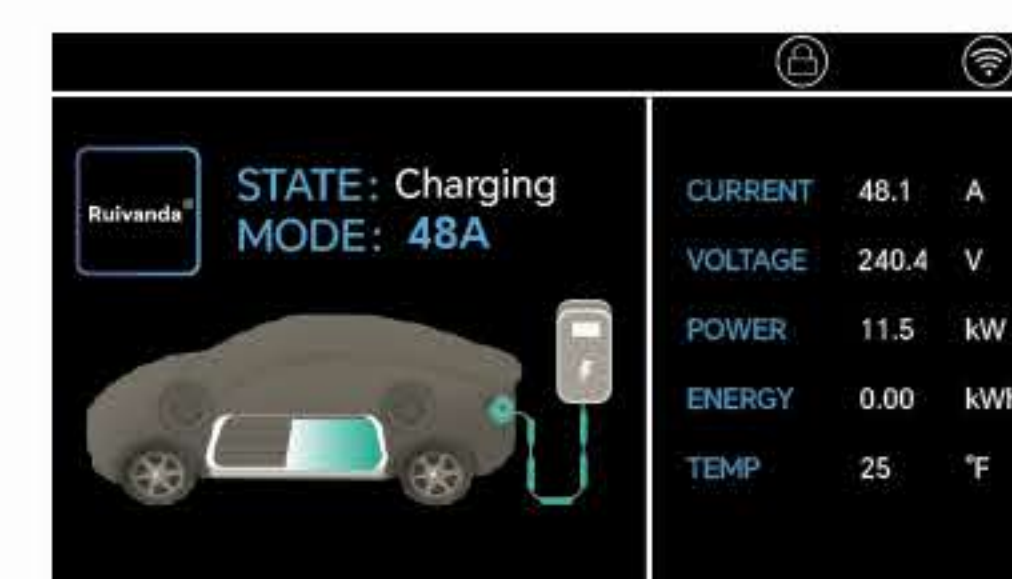
- Leakage protection
- Lightning protection
- Short circuit protection
- Overcurrent protection
- Undervoltage protection
- Overheat protection
- Emergency protection
- Rainproof protection

FILL UP QUICKLY
TRAVELING AT FULL CAPACITY



Make The Car Charging Safer

COMPONENT FEATURES



5/4.3 Inch LCD Screen
Charging Status Display

Front Panel
Customizable logo

Support
Card Charging

LED Charging
Indicator

Wall
End Wire/Plug

HOOK

Silver
Plated Charging Connector
Type1 / Type 2 / Tesla / G/BT

TPU/TPE Cable
Long Service
Environment-Friendly

SECURITY PROTECTIONS



APPLICATION

No matter where you go, you can charge anywhere



① Residential Parking Lot

② Travel Place Parking Lot



③ Home Garage

- ✓ Power: 7KW-22KW
- ✓ Phase: 3phase/1phase

Support New Energy Electric Vehicles

Support mainstream new energy models on the market, including but not limited to the following Vehicles.



please consult customer service for more models

PRODUCT PARAMETERS

No matter where you go, you can charge anywhere



38.5 × 24.8 × 8 cm
15.16 × 9.76 × 3.15 inch



IC Card (2 pcs)



Hoder+Fixed Clamp+Accessory Tool



Instructions

TECHNICAL SPECIFICATION

Technical Features -EN IEC 61851-1: 2019			
Input/Output Voltage	100~240VAC 50/60Hz 1Phase	400VAC 50/60Hz 3Phase	400VAC 50/60Hz 3Phase
Output Current	8A/10A/13A 16A/22A/32A	8A/10A 13A/16A	8A/10A/13A 16A/22A/32A
Max Power	7kW	11kW	22kW
Cable Length	5m or more lengths are Customizable		
Standby Power	<5W		
Communication	Wi-Fi 802.11b/g/n@2.4GHz		
User Interface	LED(RGB)/LCD(4.3inch/5inch)/RFID(mifare ISO&IEC 14443A)		
Protocol	OCPP1.6J(option)		
Standards	EN IEC 61851-1: 2019		
Charging Interface	IEC 62196 Type 2		
IP Degree	IP65		
Operating Temperature	-30°C~+50°C		
Humidity	Max.95%(non-regulating)		
Protection	Over-temperature protection Short circuit protection Grounding protection Lightning protection Over-current protection Leakage protection Waterproof protection Over-charge protection Over-voltage protection Under-voltage protection Anti-theft protection Cold-resistant protection		
Note	Charging Interface can be changed according to customer needs		

PRODUCT DETAILS

No matter where you go,you can charge anywhere



TECHNICAL SPECIFICATION

Technical Features-SAEJ1772

Input/Output Voltage	100~240VAC 50/60Hz 1Phase		
Output Current	8A/10A/13A 16A/22A/32A	10A/16A/24A 32A/40A	10A/16A/24A 32A/40A/48A
Max Power	7kW	9.6kW	11.5kW
Cable Length	7.5m or more lengths are Customizable		
Standby Power	<5W		
Communication	Wi-Fi 802.11b/g/n@2.4GHz		
User Interface	LED(RGB)/LCD(4.3inch/5inch)/RFID(mifare ISO&IEC 14443A)		
Standards	SAE J1772		
Charging Interface	SAE J1772 Type 1		
IP Degree	IP65		
Operating Temperature	-30°C~+50°C		
Humidity	Max.95%(non-regulating)		
Protection	Over-temperature protection Short circuit protection Grounding protection Lightning protection Over-current protection Leakage protection Waterproof protection Over-charge protection Over-voltage protection Under-voltage protection Anti-theft protection Cold-resistant protection		
Note	Charging Interface can be changed according to customer needs		

PRODUCT DETAILS

No matter where you go,you can charge anywhere



TECHNICAL SPECIFICATION

Technical Features - GB/T			
Input/Output Voltage	220VAC±20% 50/60Hz 1Phase	380VAC±20% 50/60Hz 3Phase	380VAC±20% 50/60Hz 3Phase
Output Current	8A/10A/13A 16A/22A/32A	8A/10A 13A/16A	8A/10A/13A 16A/22A/32A
Max Power	7kW	11kW	21kW
Cable Length	5m or more lengths are Customizable		
Standby Power	<5W		
Communication	Wi-Fi 802.11b/g/n@2.4GHz		
User Interface	LED(RGB)/LCD(5/4.3inch'')/RFID(mifare ISO&IEC 14443A)		
Standards	GB 39752-2024 GB44263-2024		
Charging Interface	GB/T 20234.2-2015		
Altitude	<2000m		
IP Degree	IP65		
Operating Temperature	-30℃ ~ +55℃		
Humidity	Max.95%(non-regulating)		
Protection	Over-temperature protection Short circuit protection Grounding protection Lightning protection Over-current protection Leakage protection Waterproof protection Over-charge protection Over-voltage protection Under-voltage protection Anti-theft protection Cold-resistant protection		
Note	Charging Interface can be changed according to customer needs		

PRODUCT DETAILS

No matter where you go,you can charge anywhere



PRODUCTION SERIES



Leakage protection



Lightning protection



Short circuit protection



Overcurrent protection



Undervoltage protection



Overheat protection



Emergency protection



Rainproof protection



PORTABLE EV CHARGER



COMPONENT FEATURES

It' s not possible to list them
all plugs can be customised
for different countries

- Britain
- Germany
- Italy
- Denmark
- North America

Type 2 IEC 62196
Type 1 SAE J1772
Tesla
GB/T

0.5(1.6F T)
Customizable

Screen display

Current
Voltage
Power
Temperature
Etc

Charging
current

RGB Led Light
Red/Green/Blue

TPE/TPU Cable

Connector Types



J1772(type1) TYPE2 Tesla GB/T

SECURITY PROTECTIONS

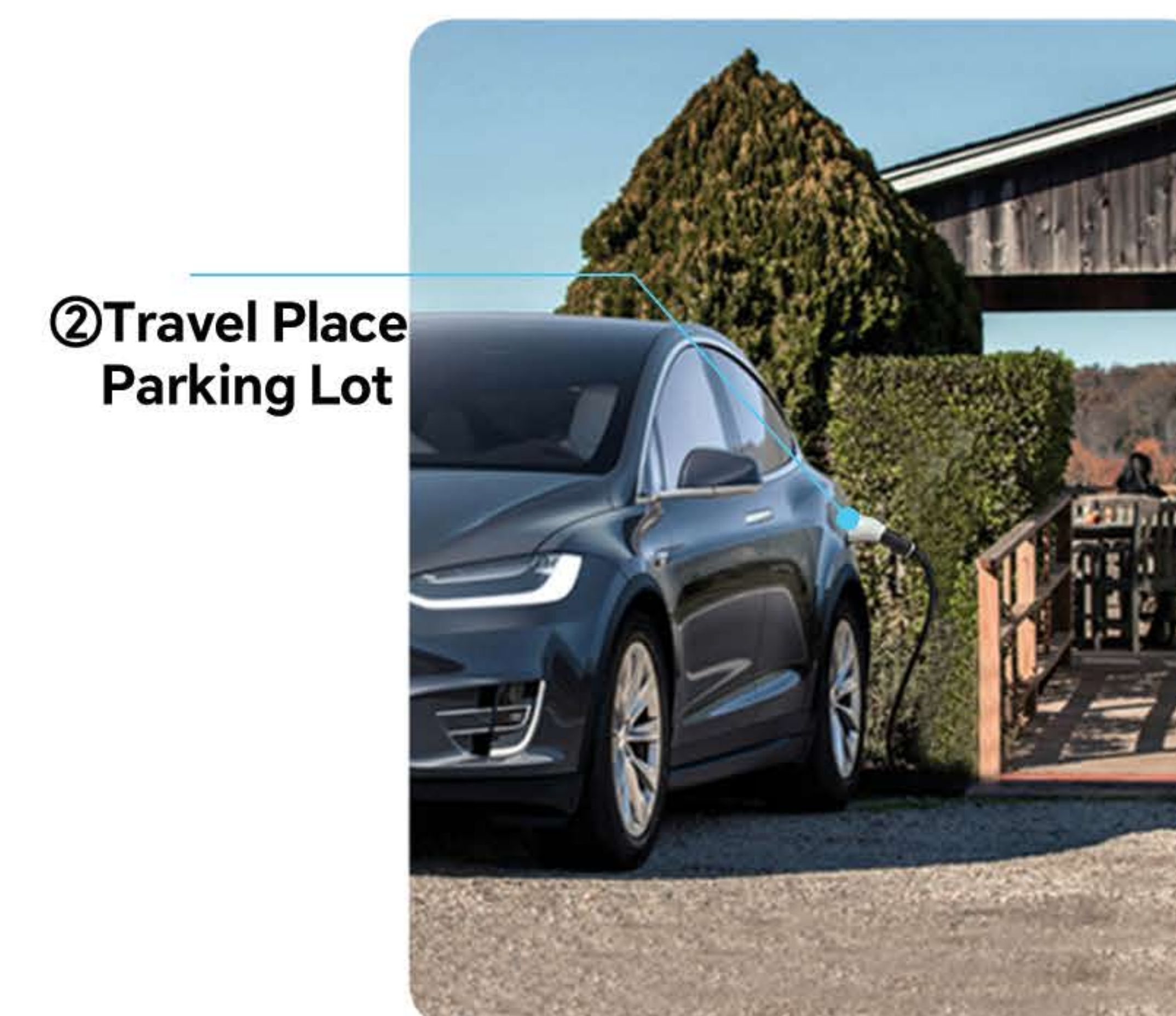


APPLICATION

No matter where you go,you can charge anywhere



① Residential Parking Lot



②Travel Place
Parking Lot



③ Home Garage

- ✓ Power:3.7KW-11KW
- ✓ Phase:3phase/1phase

TECHNICAL SPECIFICATION

Technical Features - EN IEC 61851-1: 2019

Input/Output Voltage	100~240VAC 50/60Hz 1Phase	100~240VAC 50/60Hz 1Phase	400VAC 50/60Hz 1Phase
Output Current	8A/10A 13A/16A	8A/10A/13A 16A/22A/32A	8A/10A 16A/16A
Max Power	3.5kW	7kW	11kW
Cable Length	5m or more lengths are Customizable		
Standby Power	<3W		
Communication	Wi-Fi 802.11b/g/n@2.4GHz		
User Interface	LED(RGB)/LCD(2.4")/Button		
Protocol	OCPP1.6J(option)		
Standards	EN IEC 61851-1: 2019		
Charging Interface	IEC 62196 Type 2		
IP Degree	IP65		
Operating Temperature	-30°C~+50°C		
Humidity	Max.95%(non-regulating)		
Protection	Over-temperature protection Short circuit protection Grounding protection Lightning protection Over-current protection Leakage protection Waterproof protection Over-charge protection Over-voltage protection Under-voltage protection Anti-theft protection Cold-resistant protection		
Note	Charging Interface can be changed according to customer needs		

Make Car Charging Safer

PRODUCT DETAILS

No matter where you go,you can charge anywhere



TECHNICAL SPECIFICATION

Technical Features-SAEJ1772

Input/Output Voltage	100~240VAC 50/60Hz 1Phase			
Output Current	8A/10A/13A/16A	8A/10A/13A/16A/22A/32A	10A/16A/24A/32A/40A	10A/16A/24A/32A/40A/48A
Max Power	3.5kW	7kW	9.6kW	11.5kW
Cable Length	7.5m or more lengths are Customizable			
Standby Power	<3W			
Communication	Wi-Fi 802.11b/g/n@2.4GHz			
User Interface	LED(RGB)/LCD(2.4")/Button			
Standards	SAE J1772			
Charging Interface	SAE J1772 Type 1			
IP Degree	IP65			
Operating Temperature	-30°C~+50°C			
Humidity	Max.95%(non-regulating)			
Protection	Over-temperature protection Short circuit protection Grounding protection Lightning protection Over-current protection Leakage protection Waterproof protection Over-charge protection Over-voltage protection Under-voltage protection Anti-theft protection Cold-resistant protection			
Note	Charging Interface can be changed according to customer needs			

Make The Car Charging Safer

Make Car Charging Safer

PRODUCT DETAILS

No matter where you go,you can charge anywhere



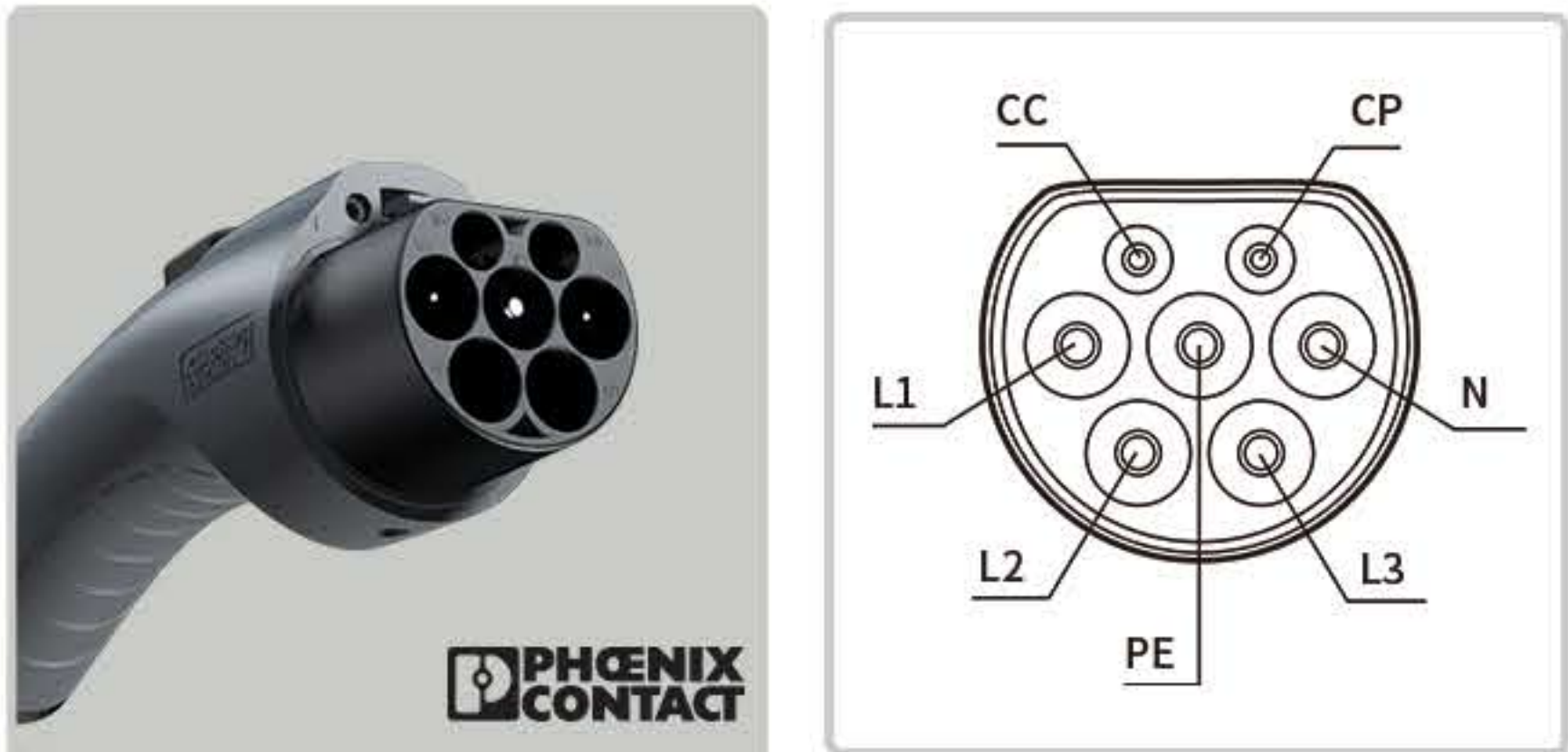
TECHNICAL SPECIFICATION

Technical Features - GB/T			
Input/Output Voltage	220VAC±20% 50/60Hz 1Phase	220VAC±20% 50/60Hz 1Phase	380VAC±20% 50/60Hz 3Phase
Output Current	8A/10A 13A/16A	8A/10A/13A 16A/22A/32A	8A/10A 13A/16A
Max Power	3.5kW	7kW	11kW
Cable Length	5m or more lengths are Customizable		
Standby Power	<3W		
Communication	Wi-Fi 802.11b/g/n@2.4GHz		
User Interface	LED(RGB)/LCD(2.4'')/Touch button		
Standards	GB 39752-2024 GB44263-2024		
Charging Interface	GB/T 20234.2-2015		
Altitude	<2000m		
IP Degree	IP65		
Operating Temperature	-30℃ ~ +50℃		
Humidity	Max.95%(non-regulating)		
Protection	Over-temperature protection Short circuit protection Grounding protection Lightning protection Over-current protection Leakage protection Waterproof protection Over-charge protection Over-voltage protection Under-voltage protection Anti-theft protection Cold-resistant protection		
Note	Charging Interface can be changed according to customer needs		

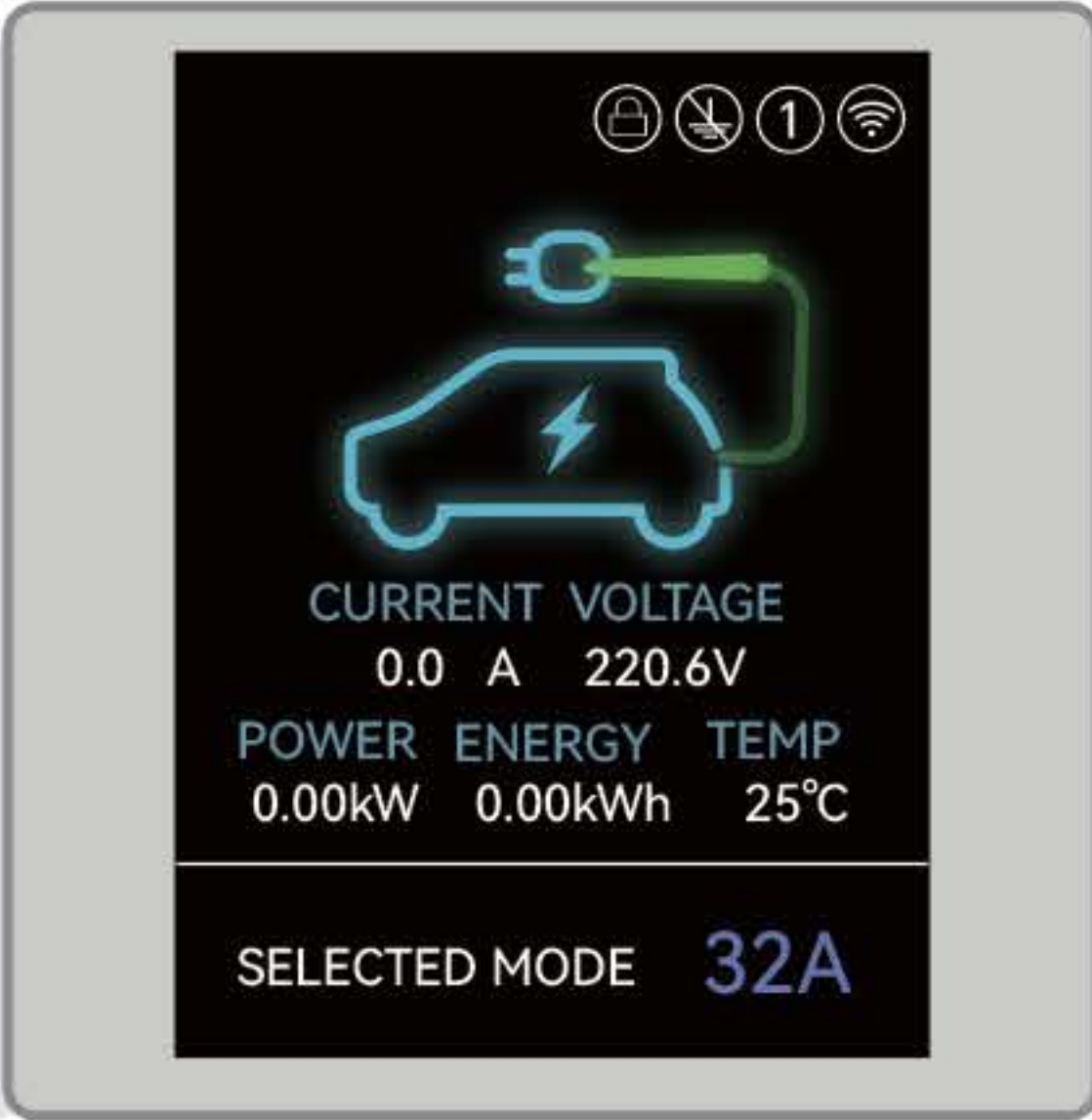
Make Car Charging Safer

PRODUCT DETAILS

No matter where you go,you can charge anywhere



② Plug use G/BT



① User Interface



③ Multiple

Multiple plugs can be matched

6A-16A Series					
	UK	NZ/AU	EU	BRA	ZAF
10A-32A Series					
	3 Pins CEE	5 Pins CEE			
Nema Series					
	5-15P	5-20P	6-20P	10-30P	14-50P



PRODUCTION SERIES



Leakage
protection



Lightning
protection



Short circuit
protection



Overcurrent
protection



Undervoltage
protection



Overheat
protection



Emergency
protection



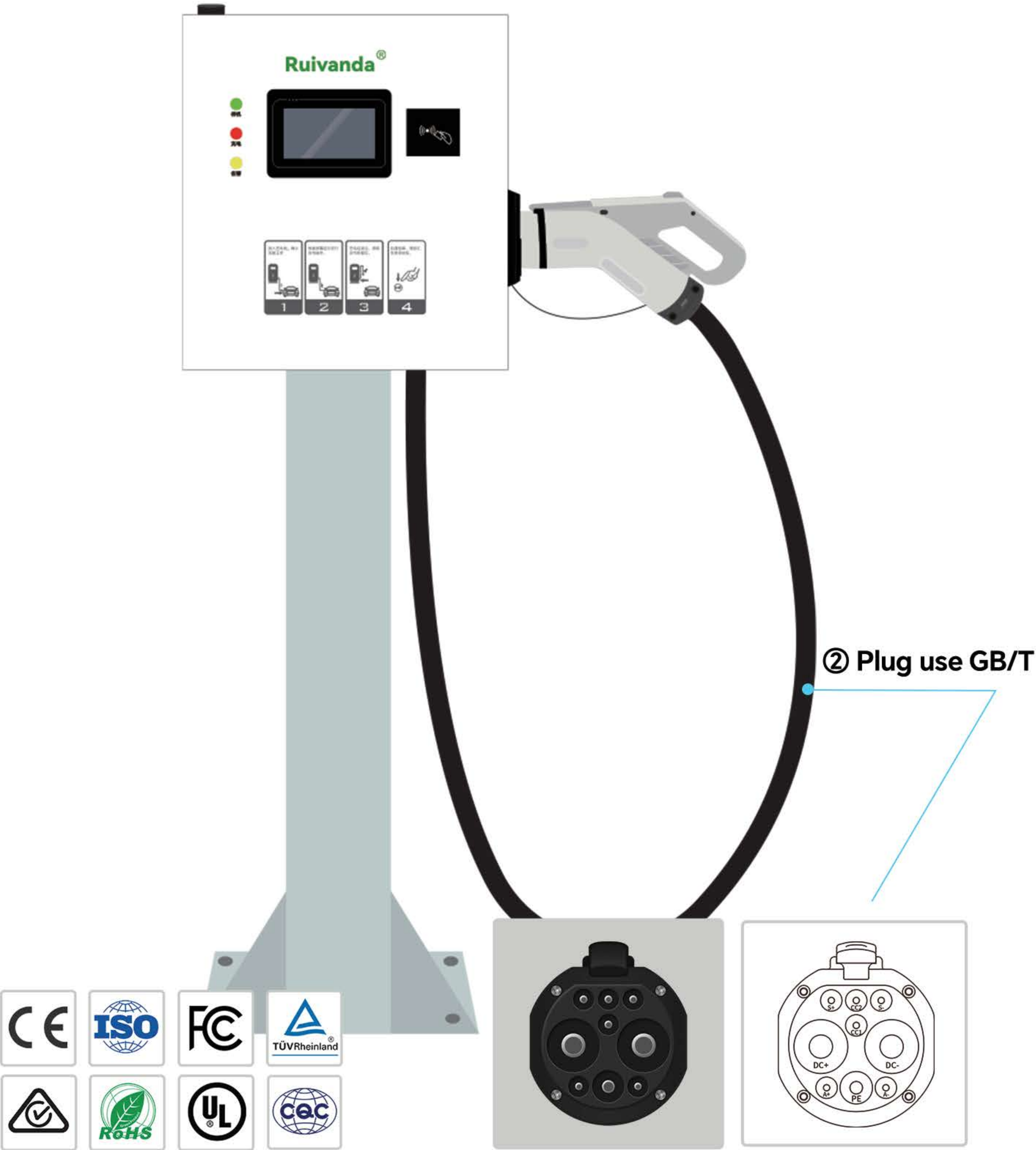
Rainproof
protection

TECHNICAL SPECIFICATION

RVD-DC20/40 kW01		
Appearance Structure	Project	Parameter
	Shell Material	Metal
	Product Size	600*240*553 (L*W*H) mm
	Screen Size	7 inch
	Product Weight	~40 kg
	Connector Length	4.6 m (optional)
	Installation Method	Wall Mounting / Floor Mounting
	Color	White Gray
Electrical Parameters	Rated Power	20kW / 40kW
	Rated Input Voltage	380V ± 20%
	Ac Power Frequency	50 Hz±1 Hz
	Output Voltage Range	200-1000 V
	Output Current Range	0-66.7A / 0-133 A
	Output Efficiency	≥94%
	Power Factor	≥0.99
	Standby Power Consumption	< 50W
	Impact Withstand Pressure	12 kV
	Power frequency withstand voltage	3.5 kV
	Output Form	All-in-one Single Connector
	Lightning Protection Device	Class C
	Bms Auxiliary Power Supply	12V/ 24V
	Protection Level	IP 54
Environmental Adaptation	Product Restlessness	Level 2

PRODUCT DETAILS

No matter where you go,you can charge anywhere

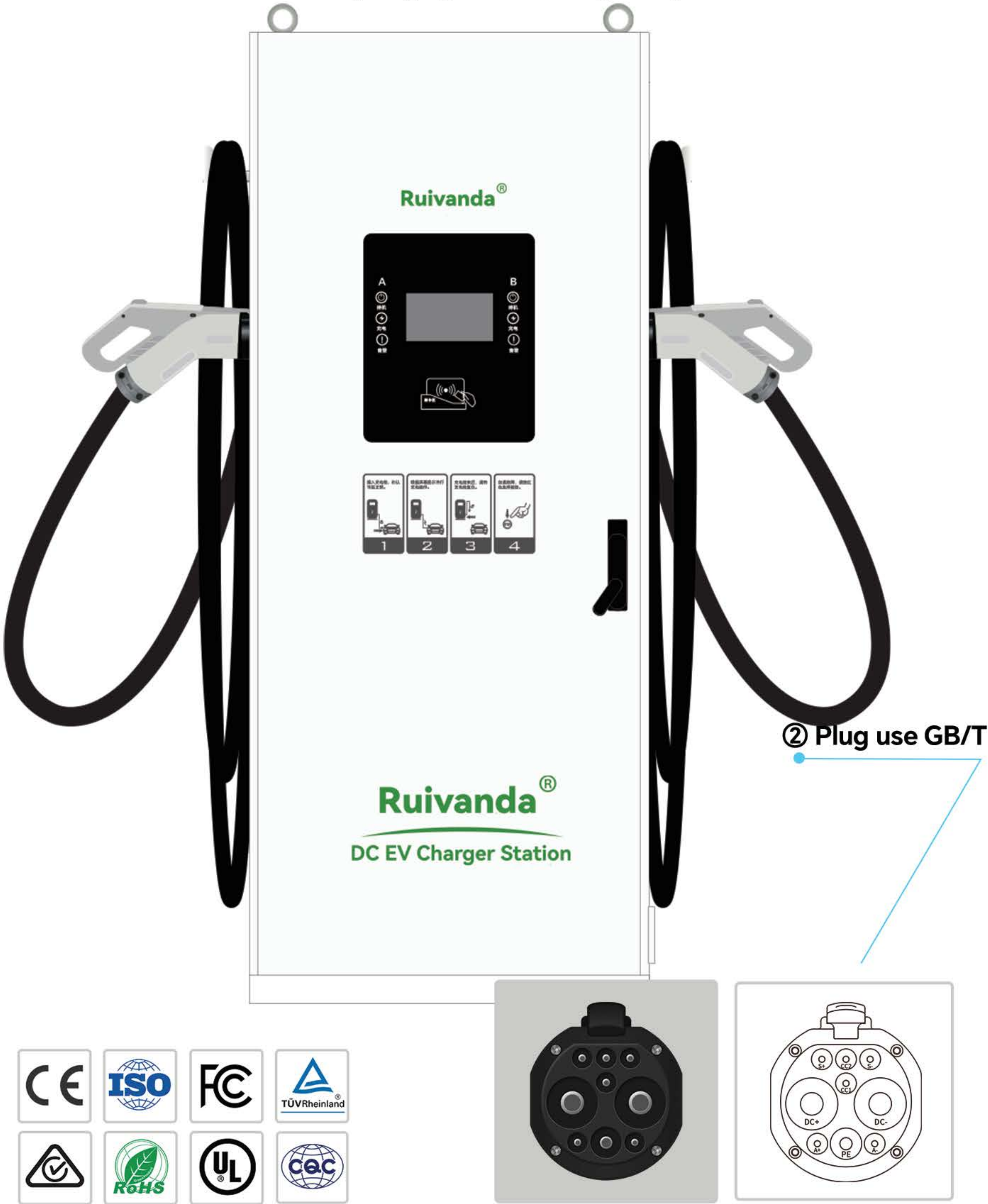


TECHNICAL SPECIFICATION

Technical Features - GB/T		
Parameter	Model	RVD-DC60/80/120/160kW01
	Shell Material	Metal
	Product Size	700*450*1700 (L*W*H) mm
Appearance Structure	Screen Size	7 inch
	Weight	150 kg
	Connector Length	4.6 m (optional)
	Installation Method	Floor Mounting
	Color	White Gray
Electrical Parameters	Rated Power	60kW / 80kW / 120kW / 160kW
	Rated Input Voltage	380V ± 20%
	Ac Power Frequency	50Hz±1Hz
	Output Voltage Range	1000V
	Output Current Range	60A / 80A /120A /160 A
	Output Efficiency	≥94%
	Power Factor	≥0.99
	Standby power consumption	≤30W×N (N is the number of connectors)
	charging mode	Full power output of a single Connector (equal output of two connectors)
	Power Frequency Withstand Voltage	3.5 kV
	Output form	Integrated dual connector (can support single connector or dual connector)
	Lightning Protection Device	Class C
	Bms Auxiliary Power Supply	12V
	Startup method	Swipe card / scan code / plug in and charge
Environmental Adaptation	Product Restlessness	Level 2
	Protection Level	IP 54
	Ambient temperature	-25℃~55℃
	Relatively modest	5%~95%
	Atmospheric pressure	80kPa~110kPa
	Altitude	≤2000m, derating is required for more than 2000m

PRODUCT DETAILS

No matter where you go,you can charge anywhere



TECHNICAL SPECIFICATION

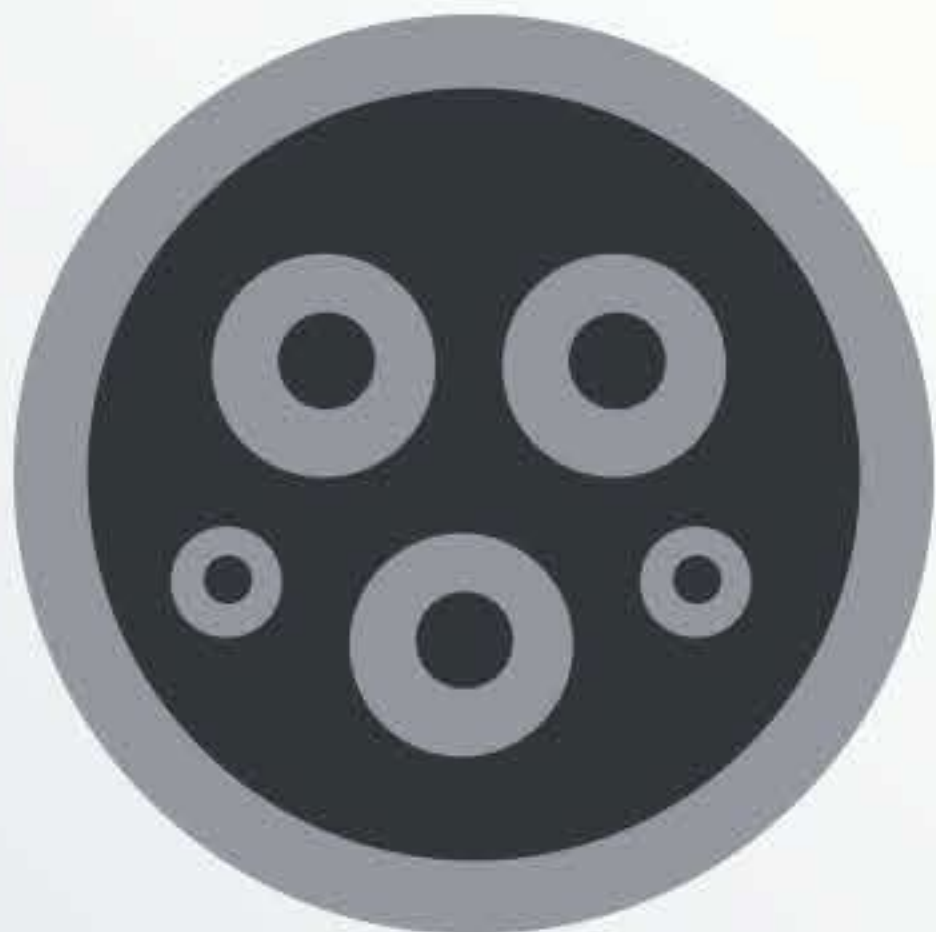
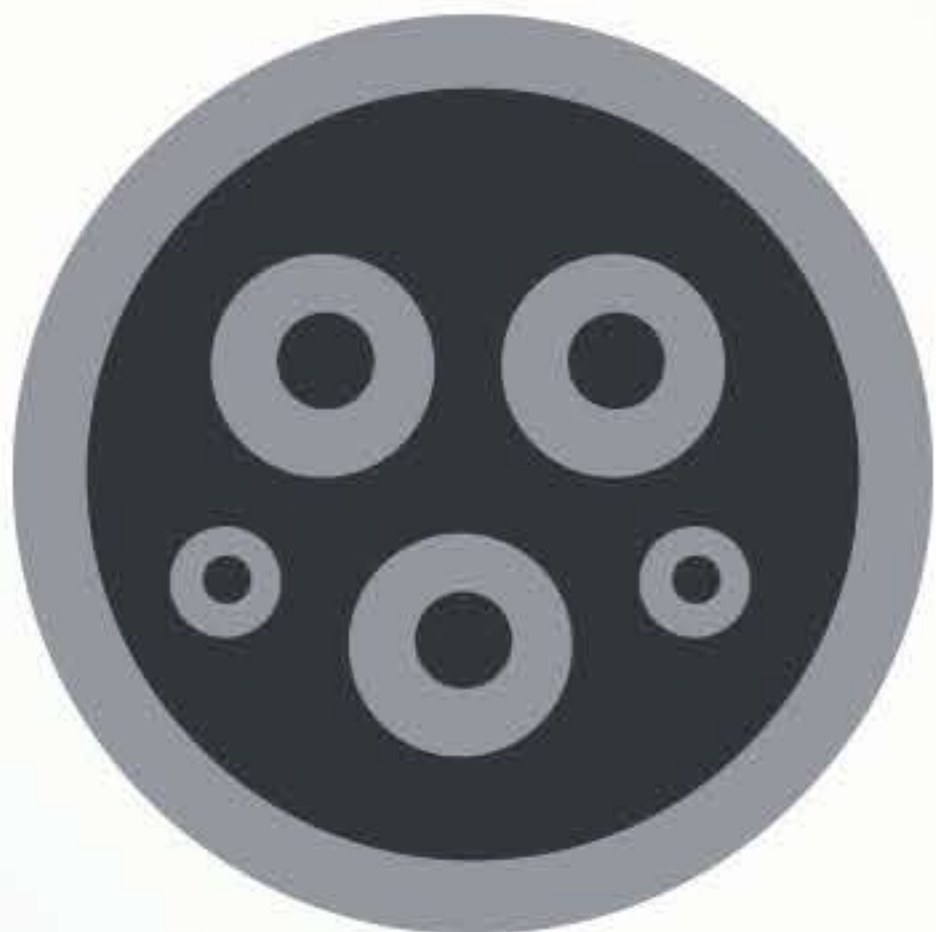
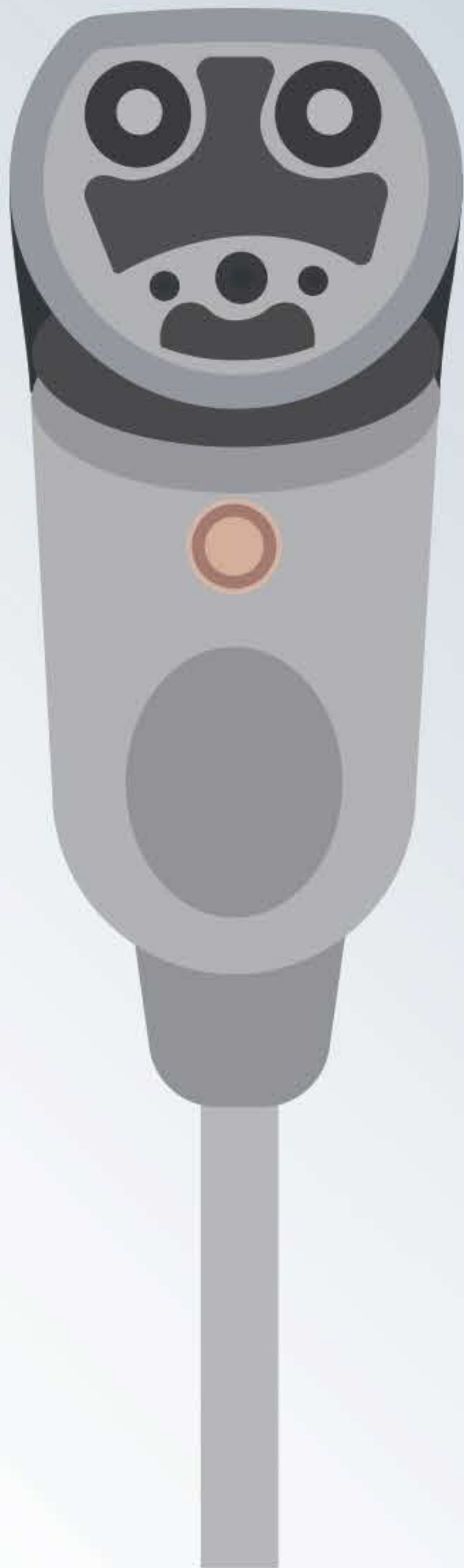
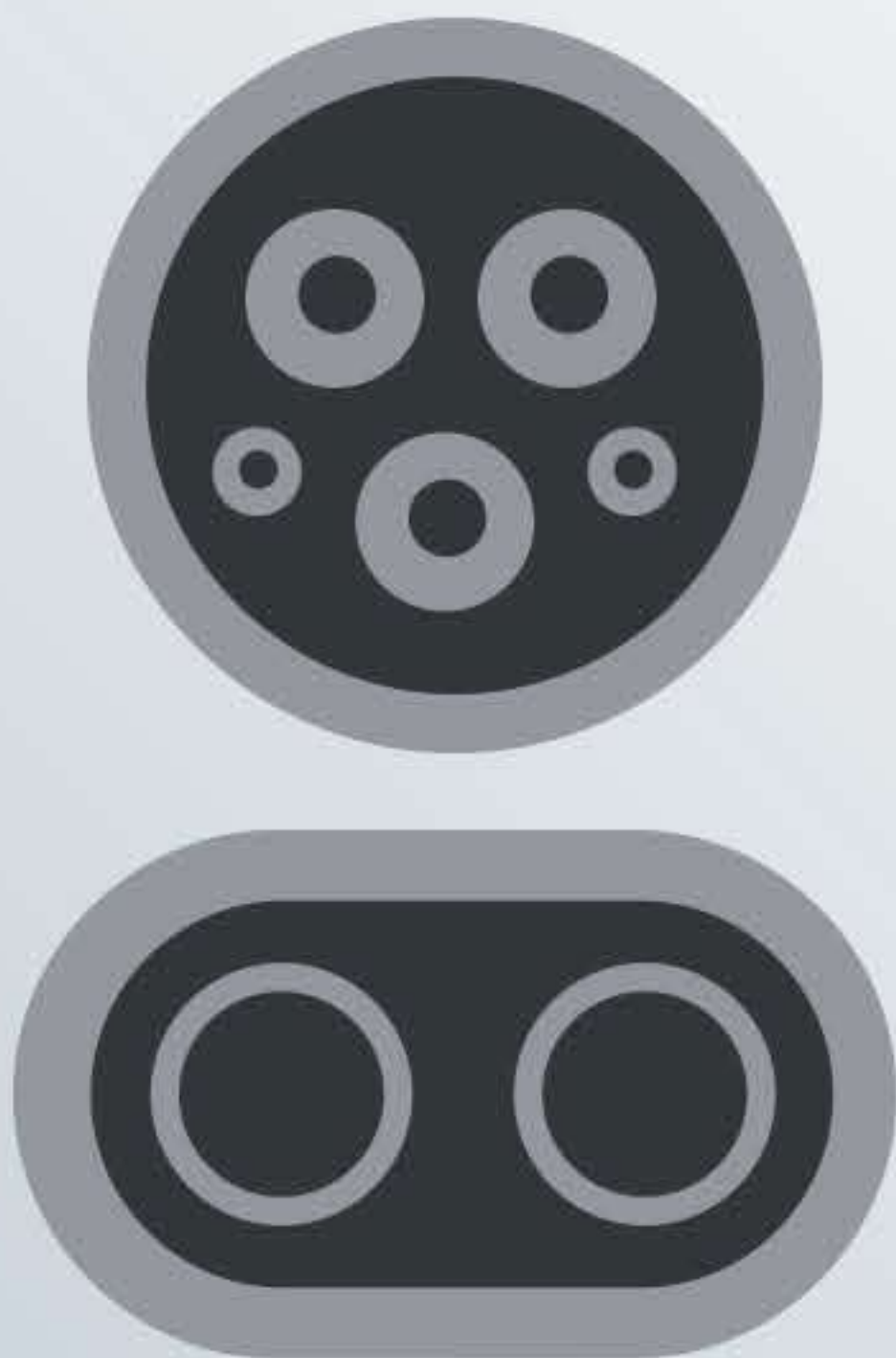
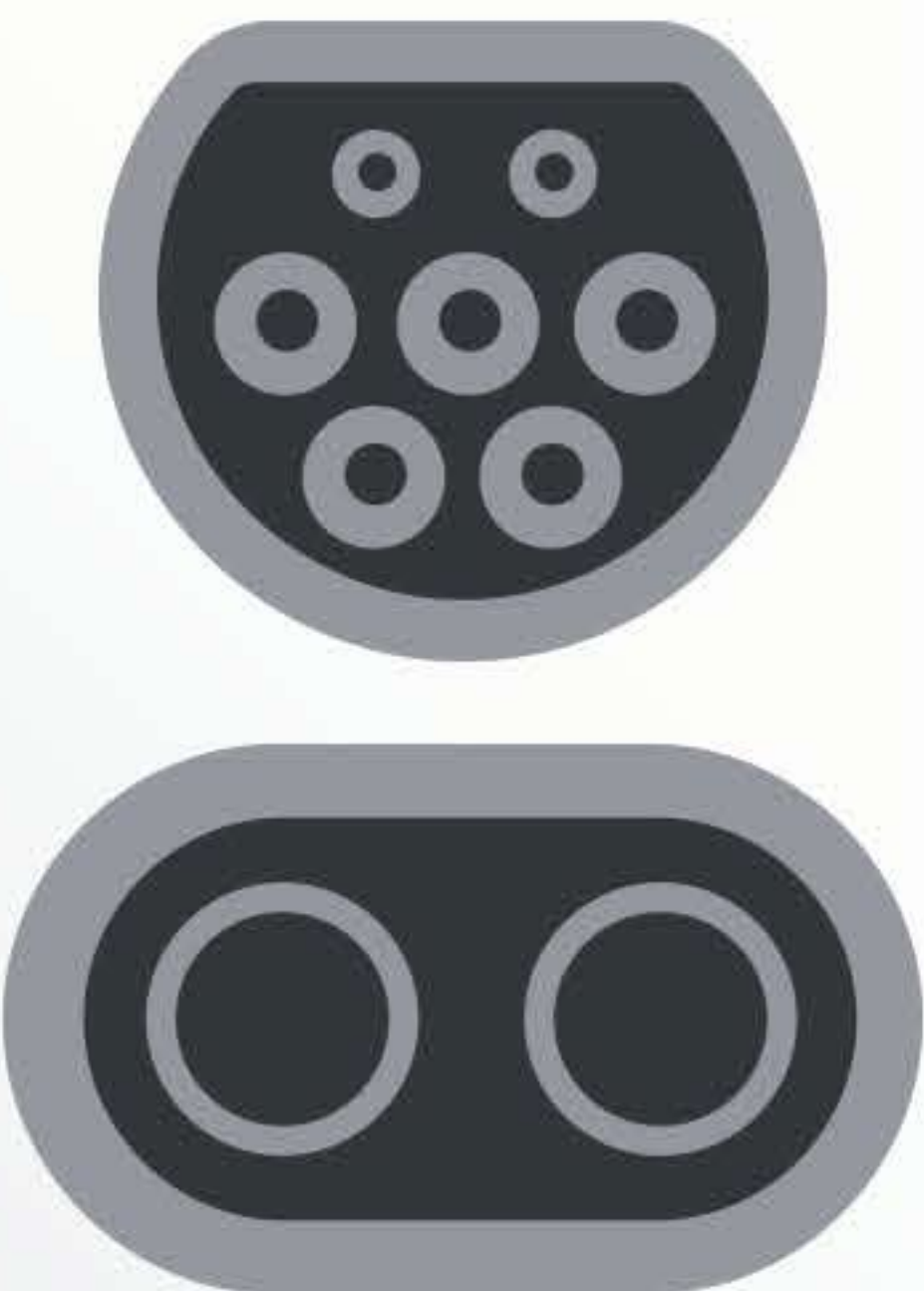
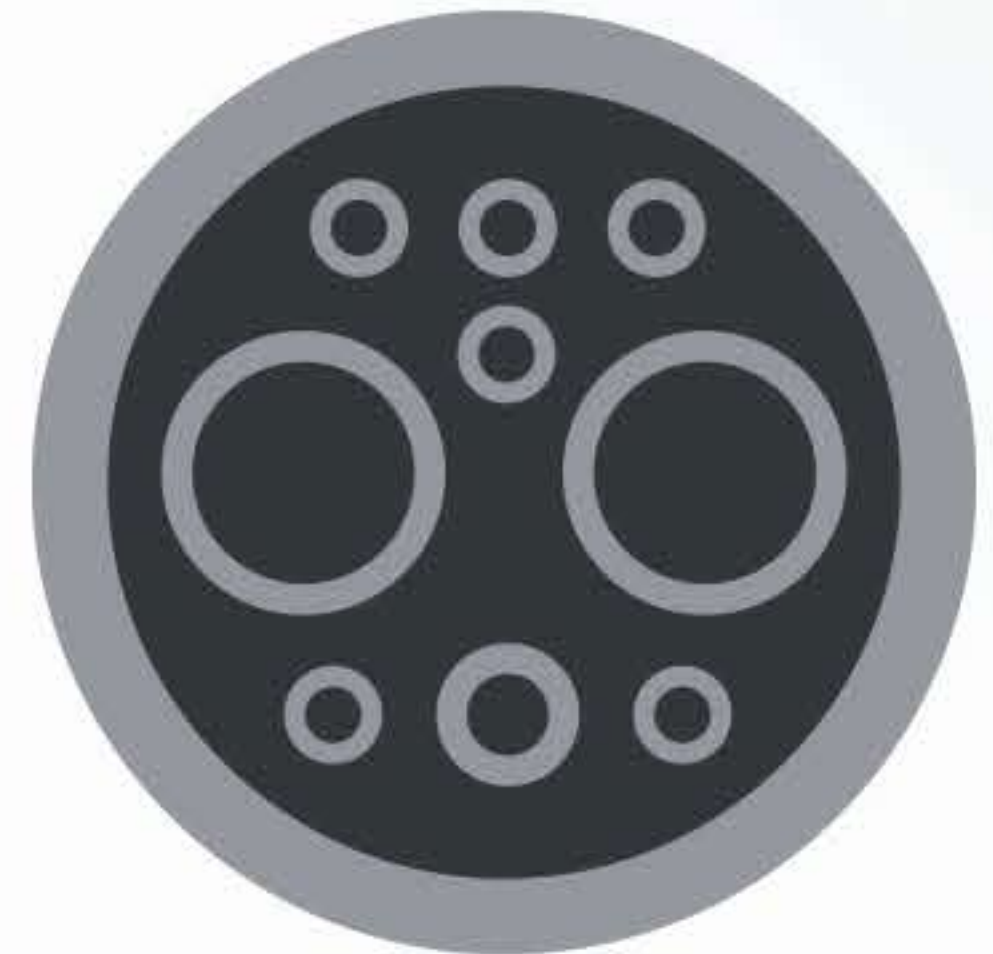
CB/T RVD-DC20/30/40kW02		
	Project	Parameters
Appearance Structure	Shell Material	Metal
	Product Size	360×167×556 /382*166*600mm (L×W×H)
	Screen Size	4.3 inches
	Product Weight	30/40kg
	Connector Cable Length	4.6 m (Optional)
	Installation Method	Wall-mounted/Floor-standing
	Product Color	White-grey
Electrical Parameters	Rated Power	20/30/40kW
	Rated Input Voltage	285V -475V
	Input Current	<40A ≤50A ≤67A
	AC Power Frequency	50Hz±1Hz
	Output Voltage Range	150-1000VDC
	Output Current Range	0-50A/0-80A/0-125A
	Rated Output Current	20A
	Voltage Regulation Accuracy	≤±0.5%
	Current Regulation Accuracy	≤±1%
	Output Efficiency	≥95.5%
	Power Factor	≥0.99 @ 50%~100% full load
	ITHD	≤5% @ 50%~100% full load
	Standby Power Consumption	20W
	Impulse Withstand Voltage	12 kV
	Power Frequency Withstand Voltage	3.5 kV
Environmental Adaptation	Output Form	Integrated single-connetor
	BMS Auxiliary Power Supply	12V
	Start Method	Card swipe/QR scan
	Protection Level	IP 54
	Operating Temperature	-40°C~+75°C (Derating required above 55°C)
	Altitude	≤2000m
	Relative Humidity	≤95%RH (Non-condensing)

PRODUCT DETAILS

No matter where you go,you can charge anywhere



CONNECTOR TYPES

	N.America	Japan	EU	China	Tesla
AC	 J1772(TYPE1)	 J1772(TYPE1)	 TYPE2	 GB/T	All Markets (Expects EU)  Tesla
DC	 CCS1	 CHAdeMO	 CCS2	 GB/T	

OCPP



EV General Solution



OCPP Controller in Wallbox

Supply Equipment Communication Controller(SECC)

Electric Vehicle Communication Controller(EVCC)

CP
PP

Private Agreement

Multi-Featured Mobile Terminal/APP



Home Page



Current Mode Setting



Set The Charging Limit Time



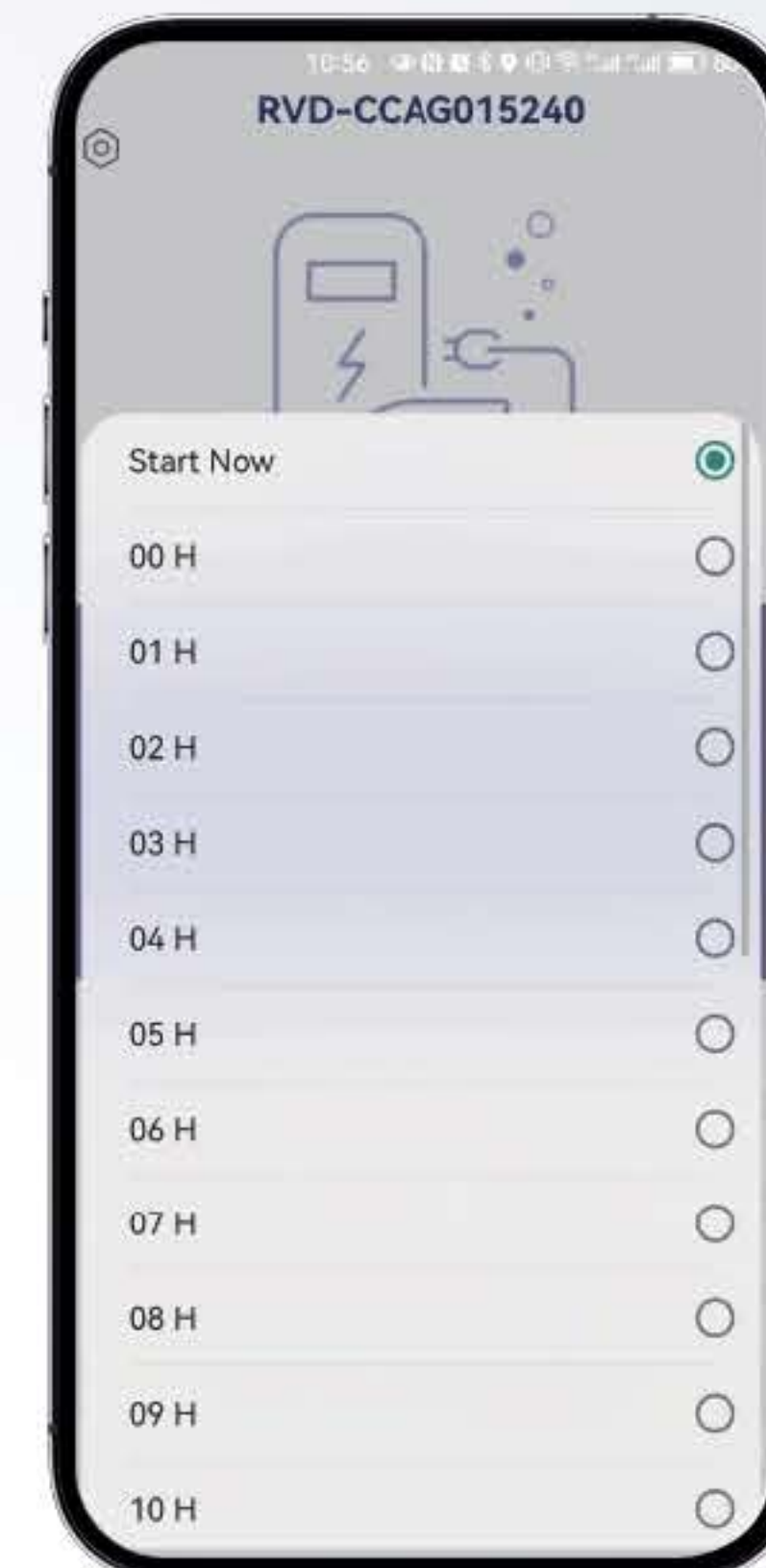
Start Charging



Charging



Stop Charging



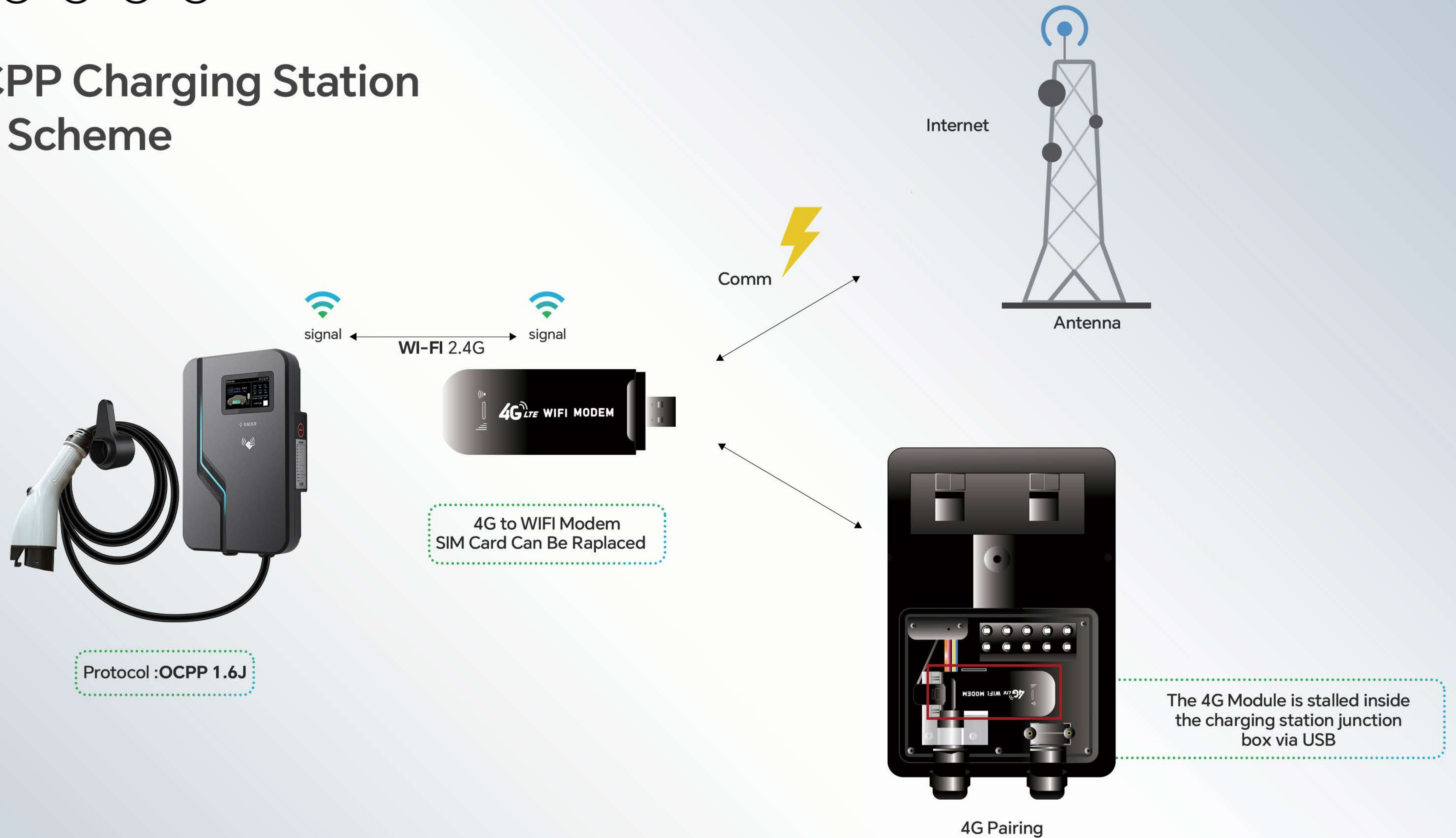
Set Hours



Reservation In Progress



OCPP Charging Station 4G Scheme

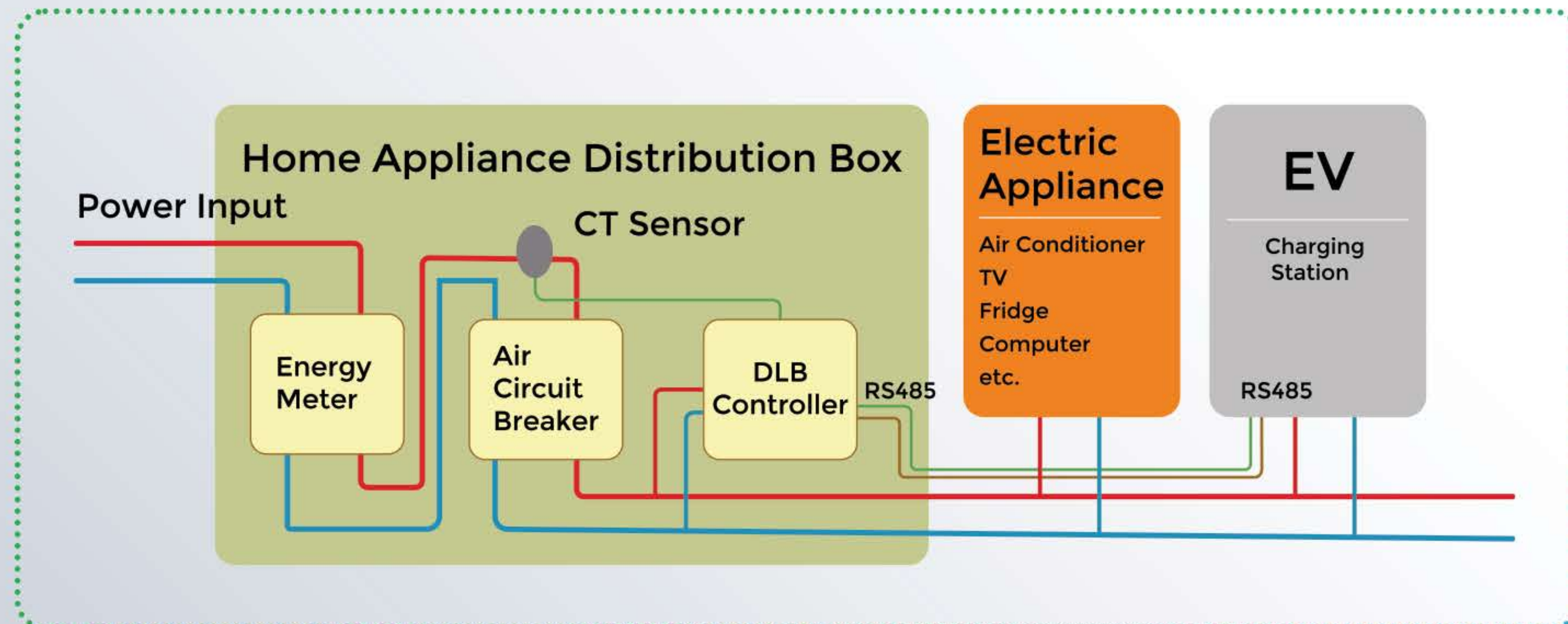


DLB



Home Use Smart DLB EV Charger

The product is a 1/3-phase Current collection component, through the current sensor to collect the AC current, the output is a digital signal, can read the current information through the RS485 interface, has the advantages of isolation, stability, especially suitable for the charging pile dynamic load balancing function.



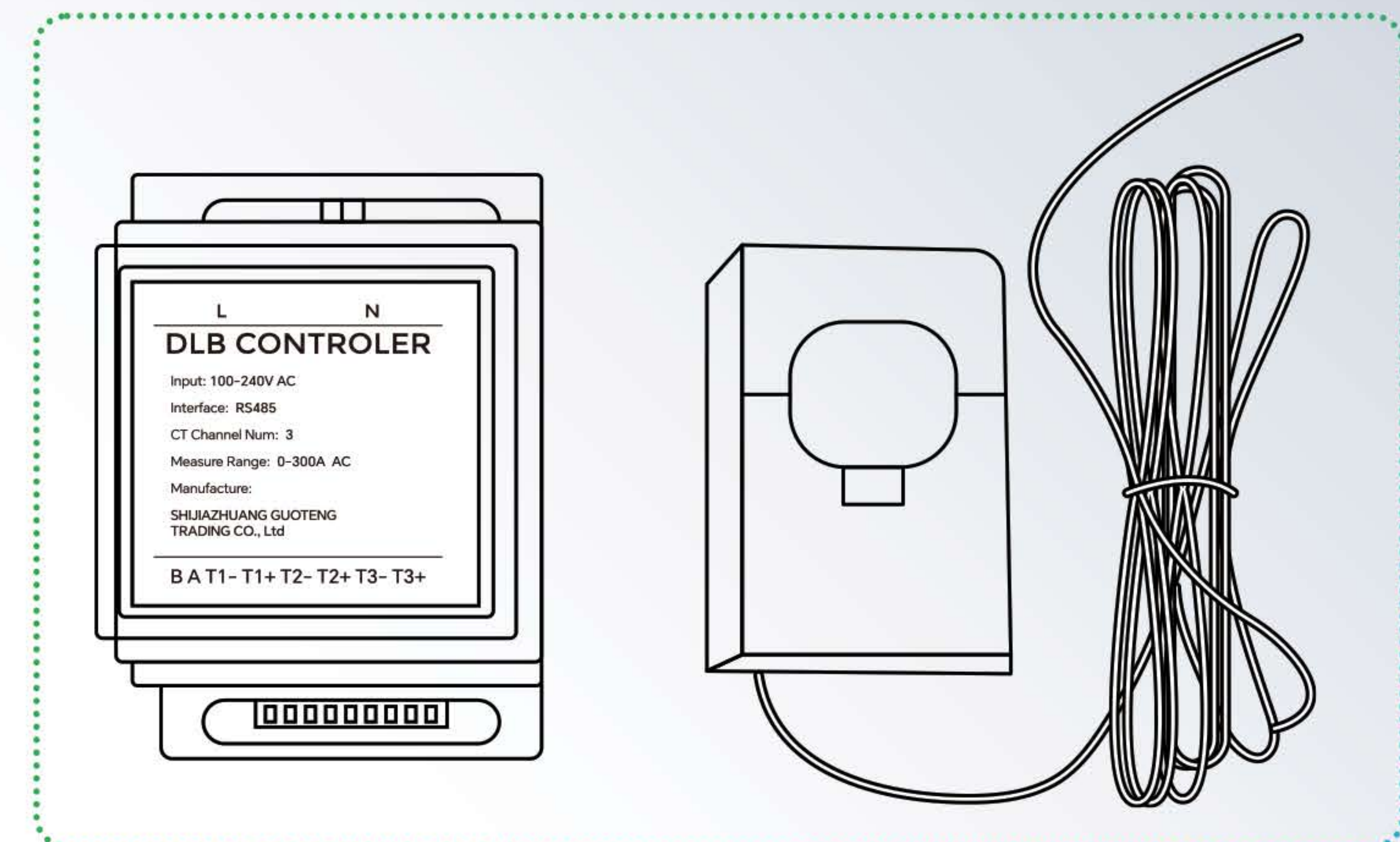
.Product Parameter

Product length: 87.5mm	Isolated withstand voltage: 2500VAC
Product width: 54mm	Ambient temperature: -25°C ~ +50°C
Product height: 58.7mm	Communication interface: RS485
Input Voltage: 100-240V AC 50/60Hz	Installation mode: Stuck on standard
Standby power: <1W	35mm DIN rail

.Connection Definition

L: Live line
N: Neutralline
A: RS485-A
B: RS485-B
T1+: CT sesor-1(nonpolarity)
T1-: CT sesor-1(nonpolarity)

T2+: CT sesor-2(nonpolarity)
T2-: CT sesor-2 (nonpolarity)
T3+: CT sesor-3 (nonpolarity)
T3-: CT sesor-3(nonpolarity)



PRODUCTION PROCESS

13⁺

YEARS EXPERIENCE

40⁺

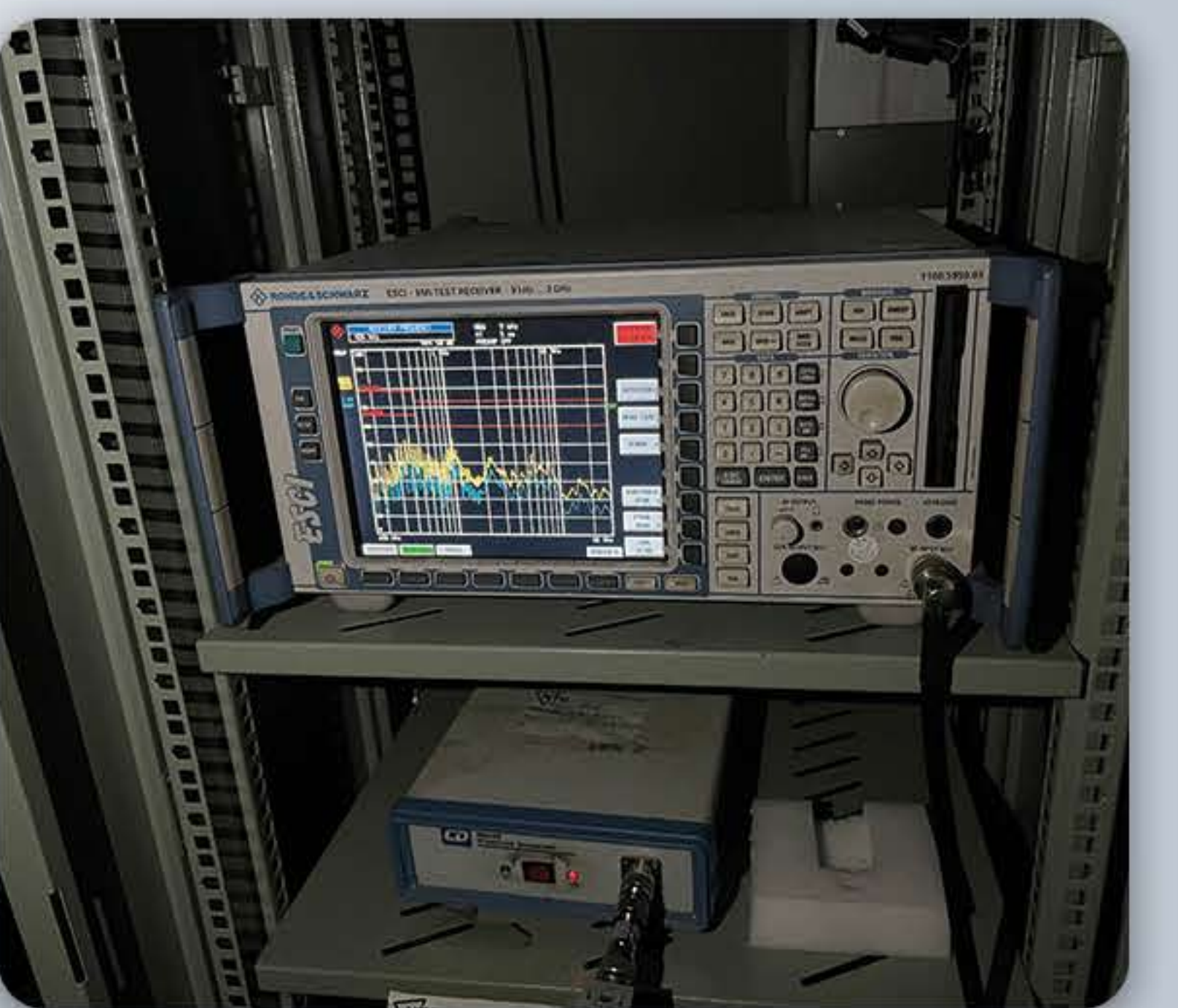
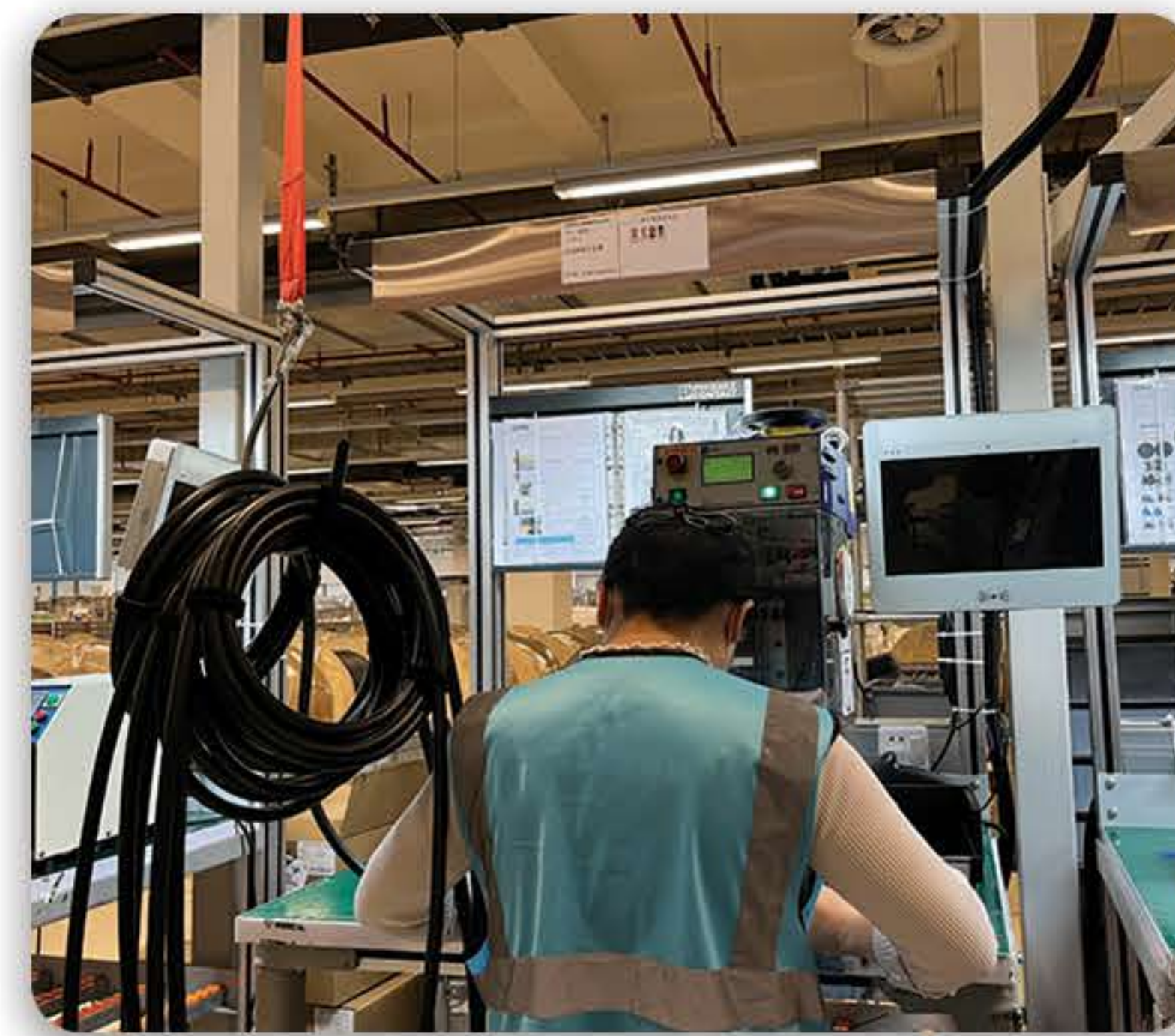
EXPORT COUNTRIES

100⁺

PRODUCT CERTIFICATION

1000⁺

WEEKLY PRODUCTION



ABOUT US

CERTIFICATIONS



Our products have passed RCM, CE, UL, CQC, FCC, ROHS, ETL and other domestic and foreign authorities issued by the quality inspection certification, and the application of a number of invention patents in the product.



SUPPORT &SERVICE

We sincerely invite like-minded partners from world to work with us, making the EV charger better and better together, Let's seize the opportunity of the golden age and forge ahead.



Branding
Campaigns



Regional Customer
Forwarding



Trade Shows
Support



Sales And Service
Materials Supply



Free Technology And
Service Training



Best distributor prices and
warranty program



Market Protection
(city/country)



New Technology
And Product
Priority Promotion Rights



OEM service provided
bulk order

Professional Quality And Service Excellence

Our corporate vision is to make electric vehicles safer to charge
and worry-free to drive. We will contribute to the promotion
and application of new energy vehicles word wide.



Ruivanda®

Nanjing Ruifanda New Energy Technology Co,Ltd. Focuses on the field of new energy vehicle charging equipment,its Ruivanda brand. in the domestic online sales platform.the market share ranks NO.1 and belongs to the industry's first-line leading brand.

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