



ULandPower EV Charging

Product Catalogue 2025

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COMPANY INTRODUCTION

Fuzhou Ulandpower Technology Co., Ltd. was founded in 2019, with headquarters in Fuzhou city and a dedicated [R&D center](#) in Xiamen. With over [60% of our team](#) dedicated to R&D, we focus on the development and production of EV chargers, new energy management technology, and IoT smart hardware products.

Today, we offer [a full range of solutions](#), including EV chargers, software and hardware integration, and IoT products. Our comprehensive R&D and supply chain management systems allow us to design and manufacture tailored solutions for various application scenarios.

ULandPower provides [ODM](#) and [OEM](#) services, successfully partnering with major brands, charging operators, online retailers, engineering firms, and more to deliver effective and customized new energy charging solutions.

CORE ADVANTAGES

Innovative Production—VTS

Our unique VTS allows traceability of the production process. It supports **online customization, real-time monitoring of production progress, and traceability of production inspection reports.**



Global Manufacturing Excellence

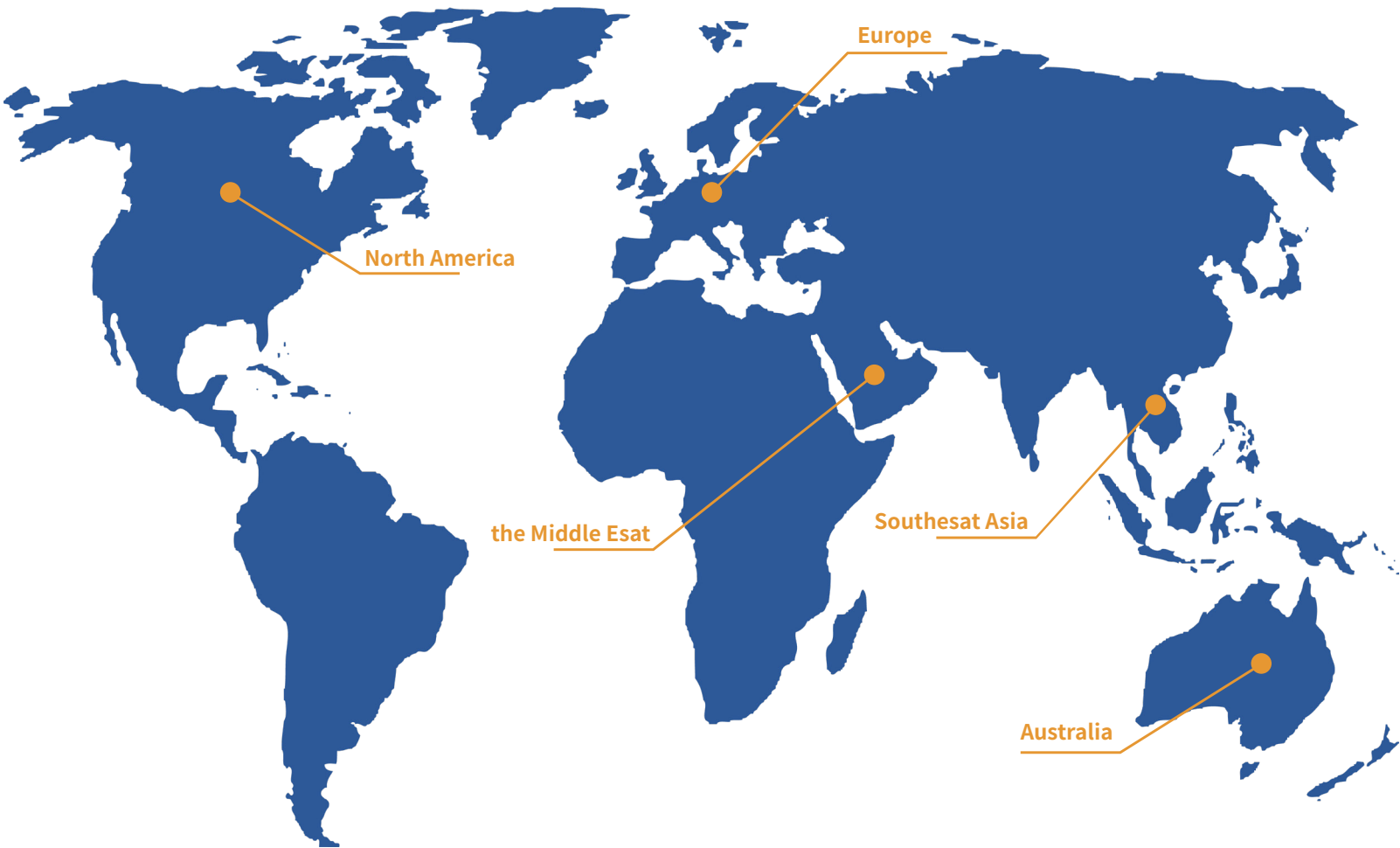
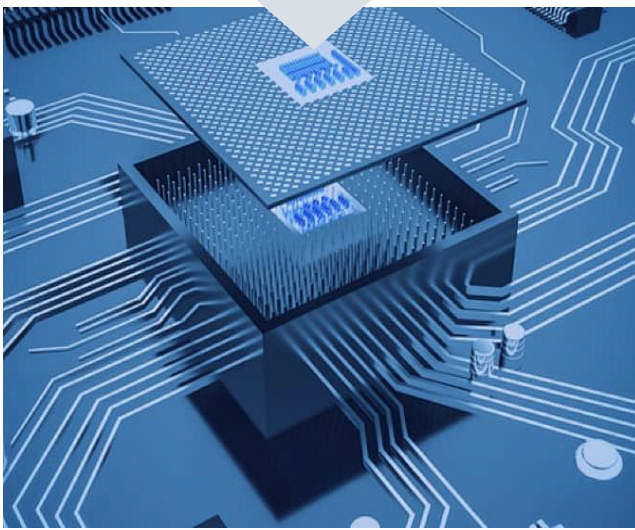
Leveraging our strategic partnership with TPV Technology Group, we have established advanced EV charger production lines. **The annual production capacity reaches 200,000 units.**

Two manufacturing bases:
Manufactured in Fuqing, Fuzhou, Fujian, China.
Manufactured in Prachinburi, Thailand.



R&D Capabilities

We independently develop core technologies, including **OCPP 1.6J, OCPP 2.0.1, ISO 15118, CTEP, CyberSecurity, dynamic load balancing management, and wireless virtual self-networking solution for charging stations.**



WE GO FURTHER

ULandPower delivers cutting-edge, future-ready charging stations designed to meet diverse market demands. Our extensive product range ensures tailored solutions for various regions, and our products are now deployed across major continents.



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Advantages of UR Series



Advantages of U Series



AC Home Charger



Product Overview

The Residential AC Charger offers an integrated smart charging solution, combining efficiency, ease of use, and seamless performance for residential electric vehicle charging.

Product Advantages



Smart

Smart APP via WIFI or Bluetooth, easily control.



Durable

Multiple Electrical Safety Protection.



Flexible

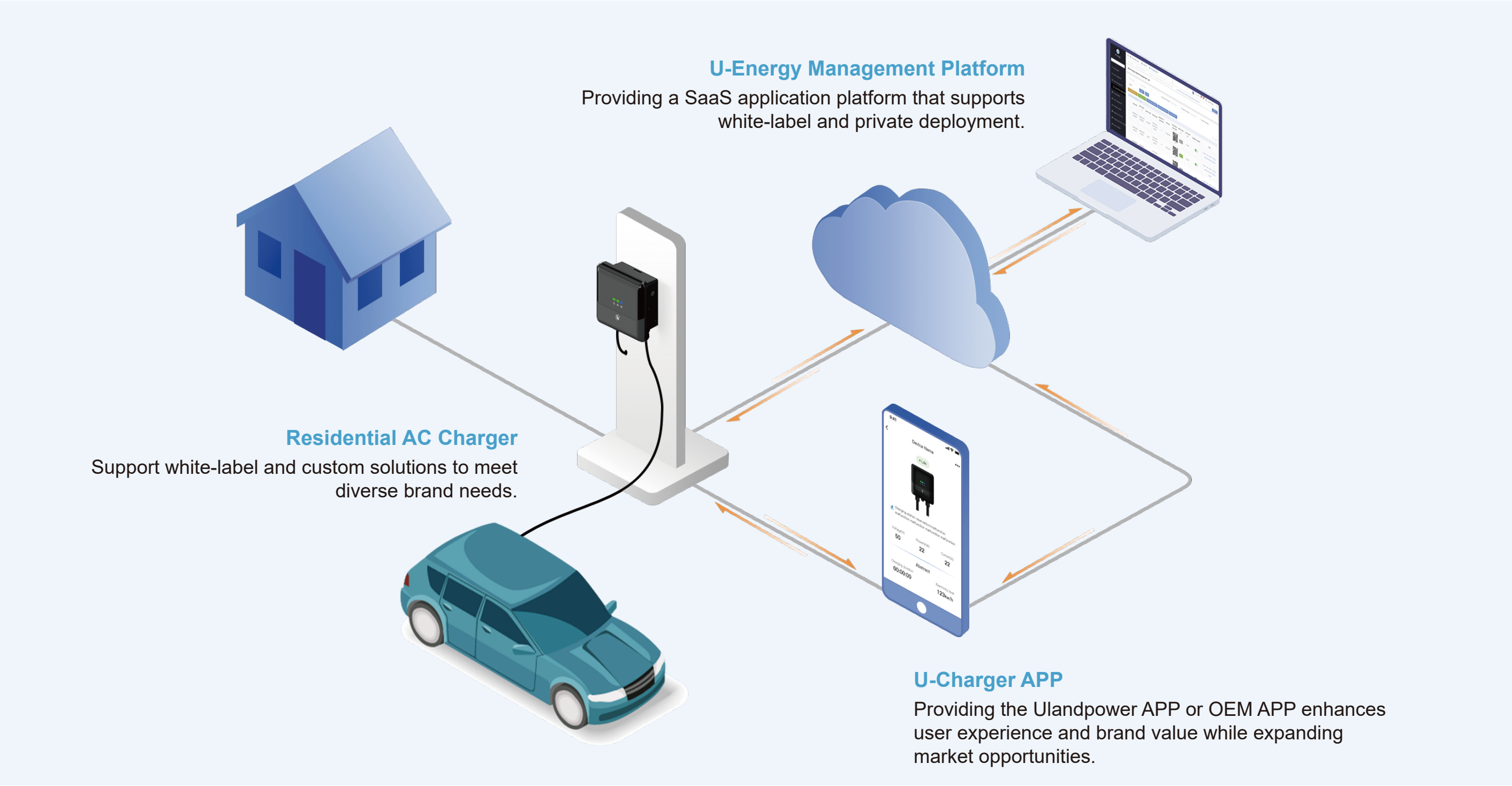
Versatile Connector Options: Type 1, Type 2, and NACS.



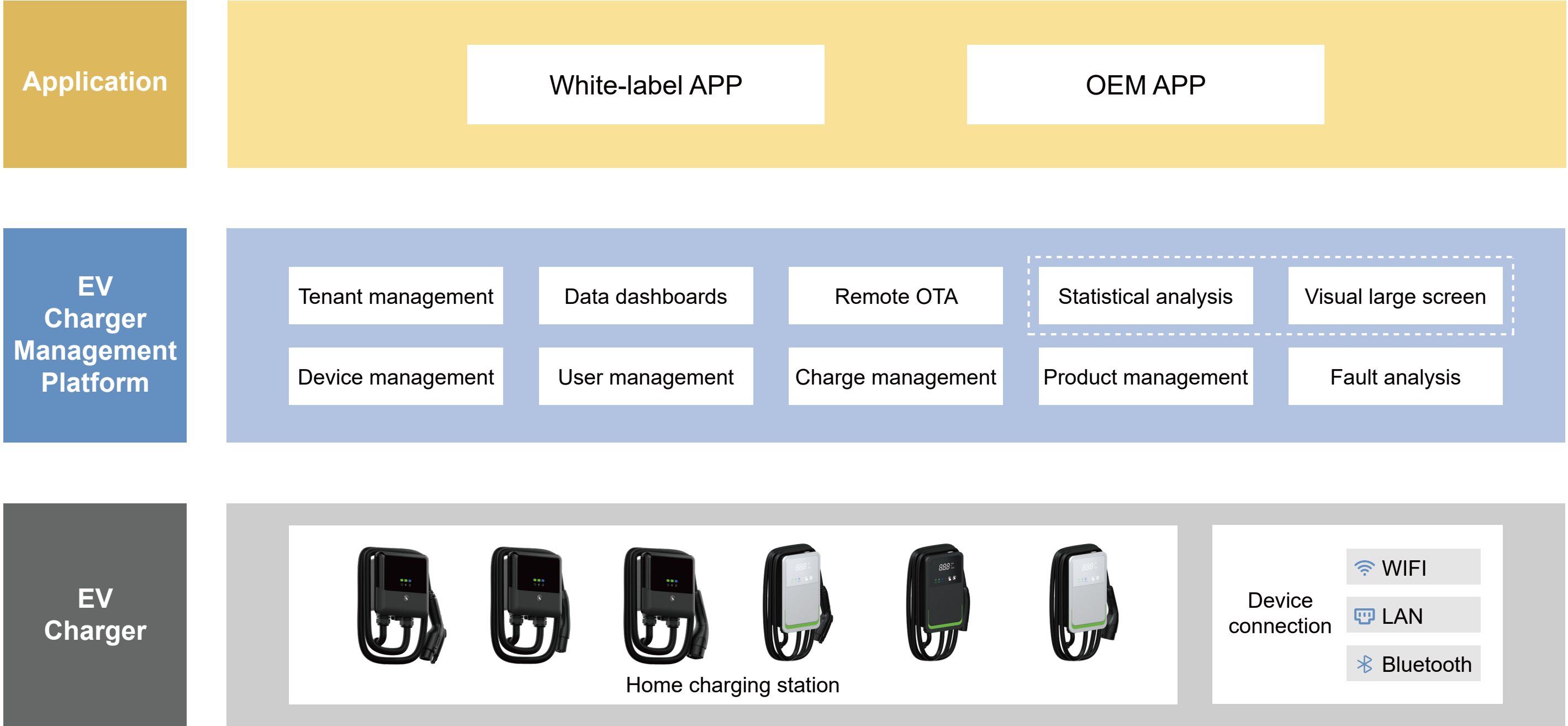
Reliable

Certified by Energy Star, ETL, FCC, CB and SGS-CE.

Home Charging Station Solution



Architecture Diagram



U-Charger APP

Smart Electricity Cost Optimization

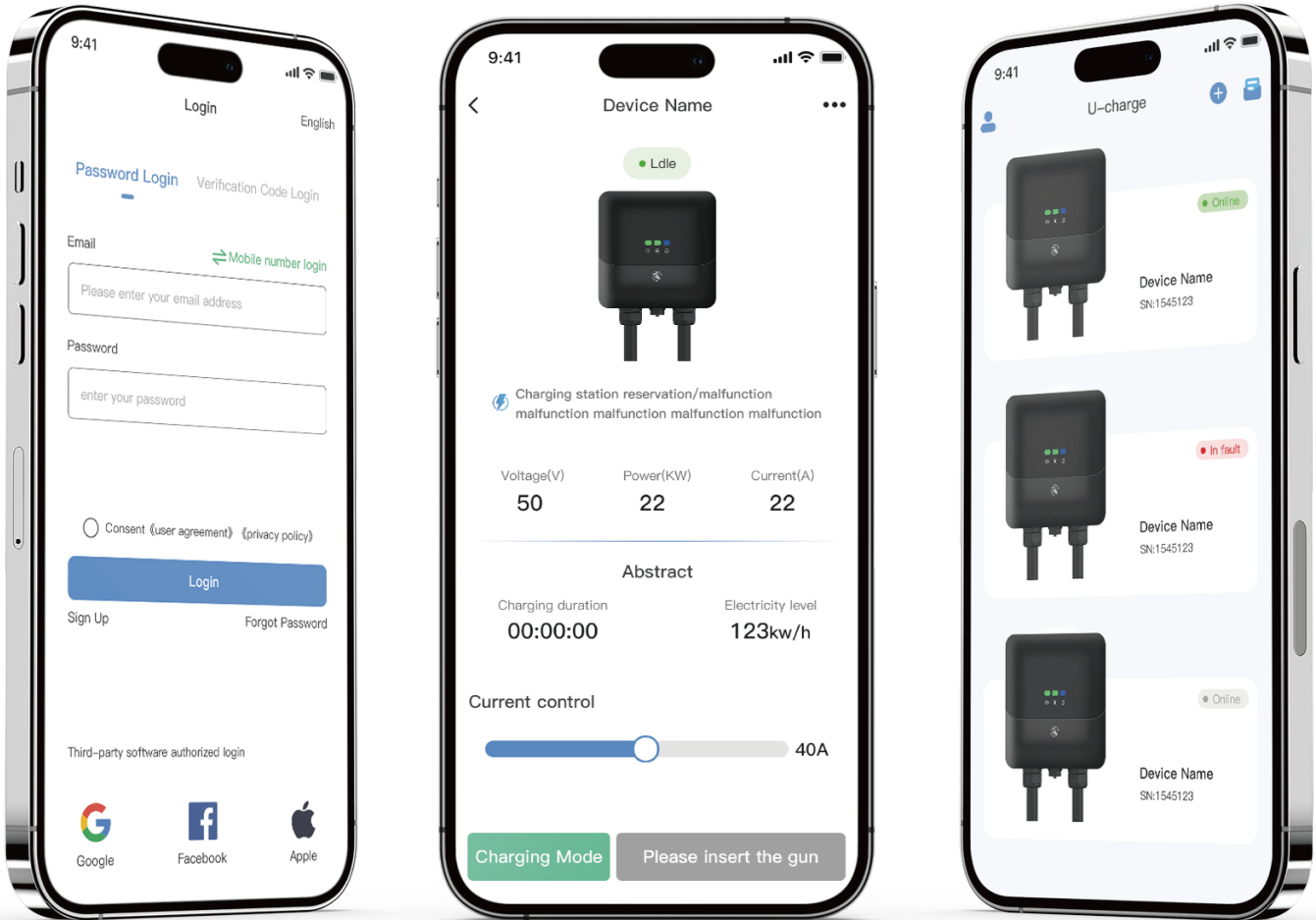
Smartly calculates the best charging times and current to help users reduce electricity costs and achieve energy savings.

Real-Time Alert Notifications

Timely alerts for charging status, enhancing management convenience.

Operational Status Monitoring

Comprehensive monitoring of equipment performance to ensure stable operation.



Charging Data and Fault Analysis

Enhance safety and management by quickly identifying problems through data analysis.

User-Friendly Interface

A simple and intuitive design ensures users can easily navigate the app, enhancing their experience.

Customizable Features

Offers personalized settings based on customer needs to meet specific user requirements.

APP Overview

The app enhances charging safety through real-time monitoring, intelligent fault analysis, and instant alerts, while featuring Smart Electricity Cost Optimization. This empowers users to optimize electricity costs precisely, delivering a seamless experience in effective charging management.

U-Energy Platform

Resource Sharing

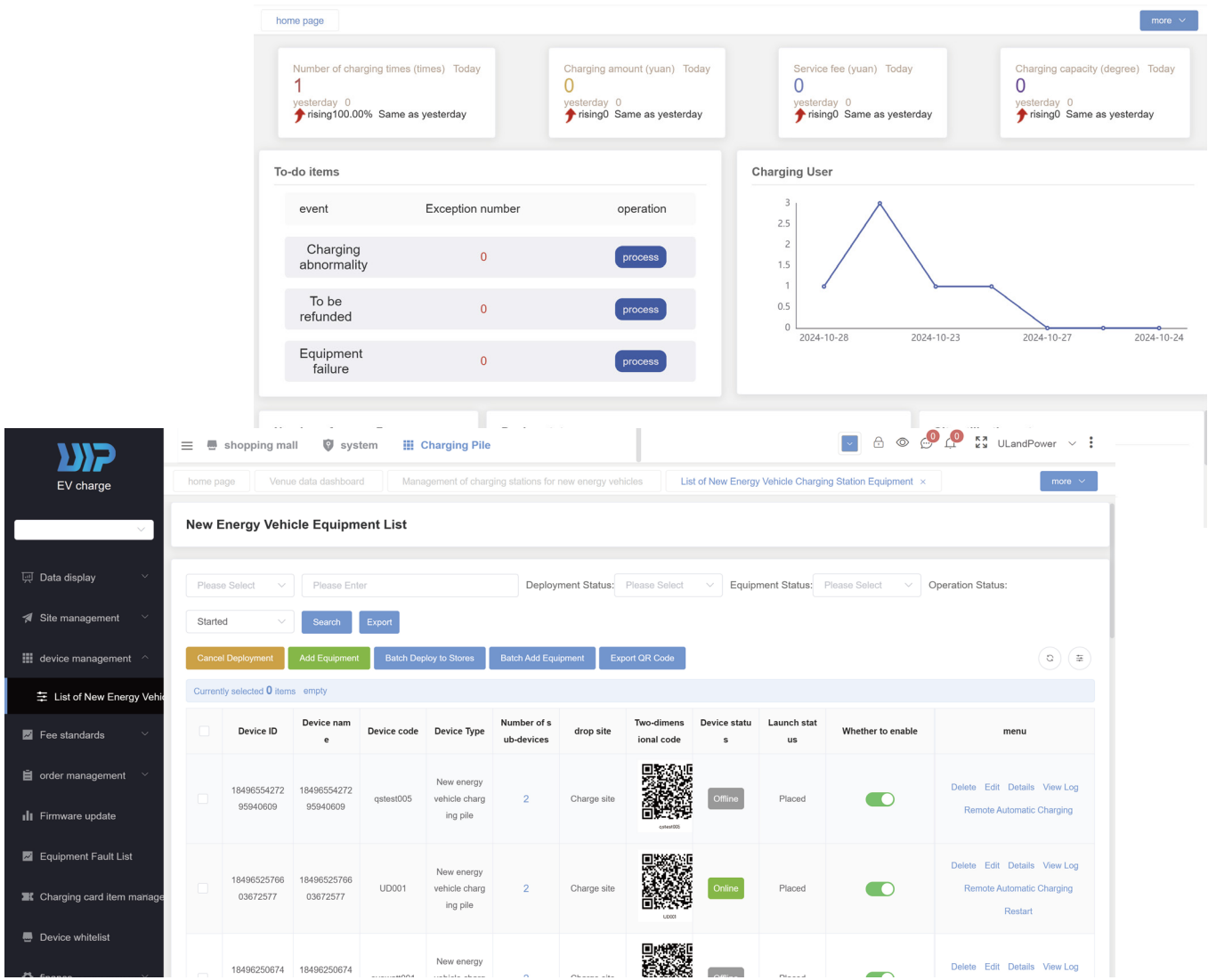
The platform achieves data isolation between users and charging stations, ensuring information security.

Smart Dashboard

Displays real-time data for quick insights into charging station performance and operational status.

Private Deployment

Supports private deployment to flexibly adapt to specific security and management needs.



Global Access

The management backend supports access for global clients, enhancing operational convenience.

Remote Management

Users worldwide can remotely configure charging stations via the app, improving efficiency.

Data Analysis

Collecting charging station data and enabling remote diagnostics improve operational efficiency and reduce costs.

Platform Overview

The platform, built on the SaaS model, supports private deployment and data isolation, enabling cloud management and real-time monitoring. By collecting charging station data, it reduces communication and maintenance costs, while enabling remote diagnostics and intelligent fault analysis to minimize repair time and operational expenses.

UR AC Home Charger



Product Overview

The UR AC Home Charger provides a modern and convenient smart home charging solution, featuring flexible configuration options and robust safety protections. Designed as a comprehensive one-stop solution, these charging stations ensure enhanced compatibility to meet diverse customer needs while delivering a reliable and secure charging experience.

Product Advantages



All-in-One Charging Solution

Integrated charging station, app, and platform solution to optimize overall investment.



Expandability

Supports RS485 for dynamic load balancing and future upgrades.



User-Friendly

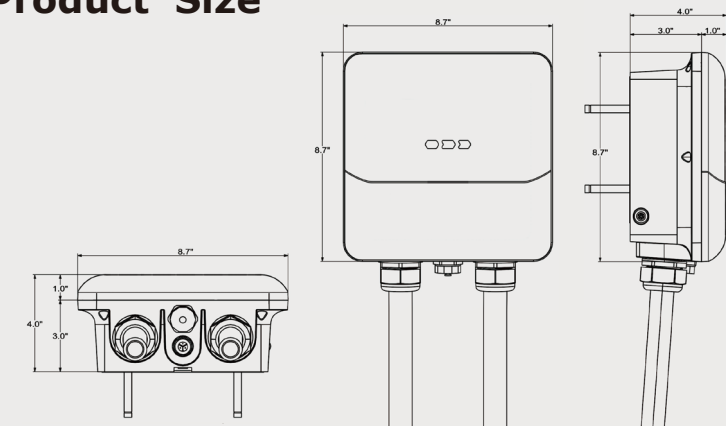
Multiple Charging start Methods: Plug&Play, RFID Card, APP.



Reliability

Multiple Electrical Safety Protection.

Product Size



Choose a charger that fits your needs.

UR1

 **OCPP:**
OCPP 1.6J

 **Connector:**
Type 1/NACS/Type 2

 **COMMUNICATION:**
WIFI/Bluetooth

 **Dynamic Load Balancing:**
Not supported

UR1Pro

 **OCPP:**
OCPP 1.6J

 **Connector:**
Type 1/NACS/Type 2

 **COMMUNICATION:**
WIFI/Bluetooth/RS485/LAN
Optional

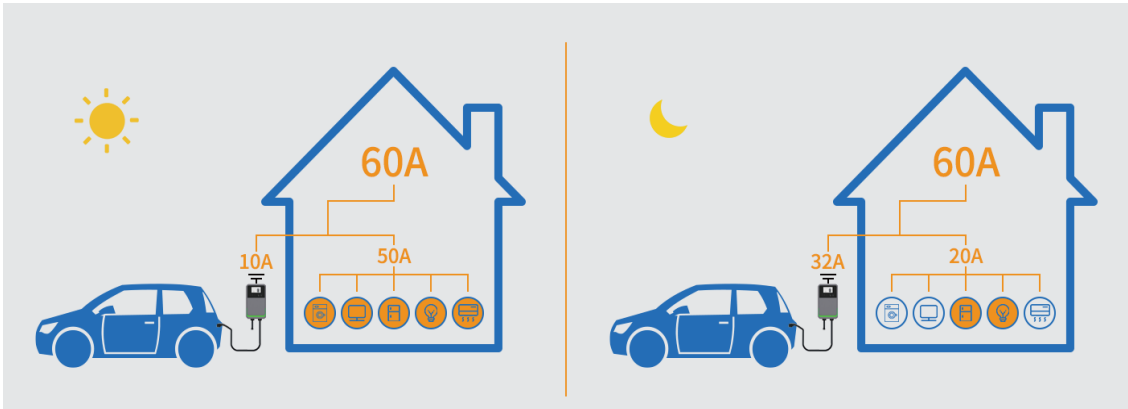
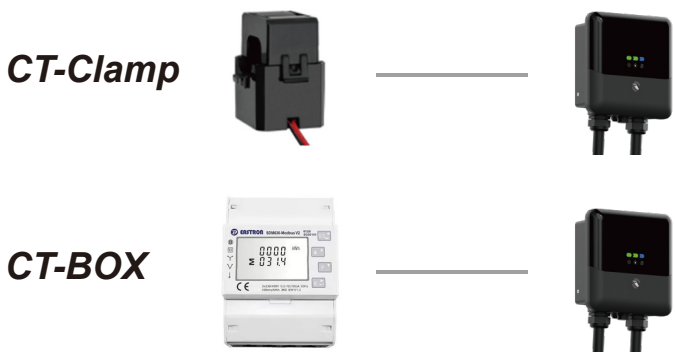
 **Dynamic Load Balancing:**
Achieve load balancing
through CT-CLAMP or
CT-BOX.

Versatile Connectivity

Connectivity via WiFi, RS485, Bluetooth and LAN optional, enabling real-time monitoring and management.

Dynamic Load Balancing

The optional CT-Clamp and CT-BOX can be easily integrated to dynamically adjust the current supplied to the EV, balancing the load and preventing overloading.



UR AC Charger

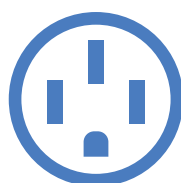
Type 1 Level 2



40A / 48A



Type 1 Plug



NEMA 14-50



Model Selection

Models-UNR1(Type 1)

Model No.	UNR1-A40T	UNR1-A48T	UNR1Pro-A40T	UNR1Pro-A48T
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ELECTRICAL SPECIFICATION				
Input Connector	NEMA,Hardwired Optional	Hardwired	NEMA,Hardwired Optional	Hardwired
Voltage	208/240V, 180 to 264 VAC		208/240V, 180 to 264 VAC	
Amperage/Power Output	40A/9.6KW	48A/11.5KW	40A/9.6KW	48A/11.5KW
Energy Metering Accuracy	±1%		±1%	
Mounting Option	Wall or Pedestal mount, Pedestal Optional		Wall or Pedestal mount, Pedestal Optional	
CHARGING INTERFACE				
Charging Connector	SAE J1772 Type 1 Plug		SAE J1772 Type 1 Plug	
Charging Cable Length	25ft Standard		25ft Standard	
USER INTERACTION				
LED Status Indicator	CHARGING/CONNECT/FAULT status indication		CHARGING/CONNECT/FAULT status indication	
Resetting key	Reset or restore factory Settings		Reset or restore factory Settings	
Authentication	RFID: ISO14443 Type A&B		RFID: ISO14443 Type A&B	
Remote control	U-Charger APP		U-Charger APP	
COMMUNICATION				
Network Interface	WiFi/BT Standard		WiFi/BT Standard,LAN Optional	
Charging Protocol	OCPP1.6J optional		OCPP1.6J optional	
Extend	Without		1*RS485,CT-CLAMP Optional	
SAFETY & COMPLIANCE				
Safety Protection	Ground Fault Detection: CCID20,Ground Monitor: UL2231, Surge Protection:6kV @2,000A			
Protection	UVP, OVP, OCP, OTP, Control Pilot Fault Protection, Relay-sticking protection, Ground Fault Protection			
Safety Compliance	UL 2594/CSA C22.2 No.280-16UL 2231-1 /C\$A C22 2 No. 281.1-12.UL 2231-2/C5A C22 2 No.281.2-12			
Certiffcation	ETL/FCC/EnergyStar		ETL/FCC/EnergyStar	
ENVIRONMENTAL				
Operating Temperature	-30 ℃ ~ 55 ℃		-30 ℃ ~ 55 ℃	
Operating Humidity	5%~95% RH,Non-condensing		5%~95% RH,Non-condensing	
Operating Altitude	≤2000m,No Derating		≤2000m,No Derating	
IP/IK Level	IP66/IK10		IP66/IK10	
SPECIFICATION				
Net Weight	6.5KG	7.4KG	6.5KG	7.4KG
Gross Weight	9.9KG	10.8KG	9.9KG	10.8KG
Product Dimensions	220W*220D*101.5H(mm)		220W*220D*101.5H(mm)	
Package Dimensions	395W*375D*295H(mm)		395W*375D*295H(mm)	

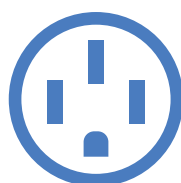
UR AC Charger
NACS Level 2



40A / 48A



NACS Plug



NEMA 14-50



Model Selection
Models-UNR1(NACS)

Model No.	UNR1-A40N	UNR1-A48N	UNR1Pro-A40N	UNR1Pro-A48N
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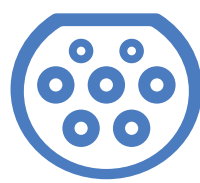
ELECTRICAL SPECIFICATION				
Input Connector	NEMA,Hardwired Optional	Hardwired	NEMA,Hardwired Optional	Hardwired
Voltage	208/240V, 180 to 264 VAC		208/240V, 180 to 264 VAC	
Amperage/Power Output	40A/9.6KW	48A/11.5KW	40A/9.6KW	48A/11.5KW
Energy Metering Accuracy	±1%		±1%	
Mounting Option	Wall or Pedestal mount, Pedestal Optional		Wall or Pedestal mount, Pedestal Optional	
CHARGING INTERFACE				
Charging Connector	NACS Plug		NACS Plug	
Charging Cable Length	25ft Standard		25ft Standard	
USER INTERACTION				
LED Status Indicator	CHARGING/CONNECT/FAULT status indication		CHARGING/CONNECT/FAULT status indication	
Resetting key	Reset or restore factory Settings		Reset or restore factory Settings	
Authentication	RFID: ISO14443 Type A&B		RFID: ISO14443 Type A&B	
Remote control	U-Charger APP		U-Charger APP	
COMMUNICATION				
Network Interface	WiFi/BT Standard		WiFi/BT Standard,LAN Optional	
Charging Protocol	OCPP1.6J optional		OCPP1.6J optional	
Extend	Without		1*RS485,CT-CLAMP Optional	
SAFETY & COMPLIANCE				
Safety Protection	Ground Fault Detection: CCID20,Ground Monitor: UL2231, Surge Protection:6kV @2,000A			
Protection	UVP, OVP, OCP, OTP, Control Pilot Fault Protection, Relay-sticking protection, Ground Fault Protection			
Safety Compliance	UL 2594/CSA C22.2 No.280-16UL 2231-1 /C\$A C22 2 No. 281.1-12.UL 2231-2/C5A C22 2 No.281.2-12			
Certiffcation	ETL/FCC/EnergyStar		ETL/FCC/EnergyStar	
ENVIRONMENTAL				
Operating Temperature	-30 ℃ ~ 55 ℃		-30 ℃ ~ 55 ℃	
Operating Humidity	5%~95% RH,Non-condensing		5%~95% RH,Non-condensing	
Operating Altitude	≤2000m,No Derating		≤2000m,No Derating	
IP/IK Level	IP66/IK10		IP66/IK10	
SPECIFICATION				
Net Weight	6.5KG	7.4KG	6.5KG	7.4KG
Gross Weight	9.9KG	10.8KG	9.9KG	10.8KG
Product Dimensions	220W*220D*101.5H(mm)		220W*220D*101.5H(mm)	
Package Dimensions	395W*375D*295H(mm)		395W*375D*295H(mm)	

UR AC Charger

Type 2 Mode 3



7kW/22kW



Type 2 Plug



Warranty 3 Years



Model Selection

Models-UER1(Type 2)

Model No.	UER1-P7	UER1-P22	UER1Pro-P7	UER1Pro-P22
				
ELECTRICAL SPECIFICATION				
Input Connector	Hardwired		Hardwired	
Voltage	230Vac±10%	400Vac±10%	230Vac±10%	400Vac±10%
Amperage/Power Output	32A/7KW	32A/22KW	32A/7KW	32A/22KW
Energy Metering Accuracy	±1%		±1%	
Mounting Option	Wall or Pedestal mount, Pedestal Optional		Wall or Pedestal mount, Pedestal Optional	
CHARGING INTERFACE				
Charging Connector	IEC 62196-2 Compliant, Type 2 cable		IEC 62196-2 Compliant, Type 2 cable	
Charging Cable Length	5m Standard, 7m Optional		5m Standard, 7m Optional	
USER INTERACTION				
LED Status Indicator	CHARGING/CONNECT/FAULT status indication		CHARGING/CONNECT/FAULT status indication	
Resetting key	Reset or restore factory Settings		Reset or restore factory Settings	
Authentication	RFID: ISO14443 Type A&B		RFID: ISO14443 Type A&B	
Remote control	U-Charger APP		U-Charger APP	
COMMUNICATION				
Network Interface	WiFi/BT Standard		WiFi/BT Standard,LAN Optional	
Charging Protocol	OCPP1.6J optional		OCPP1.6J optional	
Extend	Without		1*RS485,CT-CLAMP Optional,CT-BOX Optional	
SAFETY & COMPLIANCE				
Safety Protection	Ground Fault Detection:A+DC6,Ground Monitor: BS-7671, O-PEN:BS-7671,Surge Protection:4kV @2,000A			
Protection	UVP, OVP, OCP, OTP, Control Pilot Fault Protection, Relay-sticking protection, Ground Fault Protection,O-PEN Protection			
Safety Compliance	IEC61851-1, IEC61851-21-2, EN 62311, EN 62479, IEC/EN 62955			
Certiffcation	CE		CE	
ENVIRONMENTAL				
Operating Temperature	-30℃ ~ 55℃		-30℃ ~ 55℃	
Operating Humidity	5%~95% RH,Non-condensing		5%~95% RH,Non-condensing	
Operating Altitude	≤2000m,No Derating		≤2000m,No Derating	
IP/IK Level	IP66/IK10		IP66/IK10	
SPECIFICATION				
Net Weight	6.5KG	7.4KG	6.5KG	7.4KG
Gross Weight	9.9KG	10.8KG	9.9KG	10.8KG
Product Dimensions	220W*220D*101.5H(mm)		220W*220D*101.5H(mm)	
Package Dimensions	395W*375D*295H(mm)		395W*375D*295H(mm)	

U AC Home Charger



Product Overview

The U AC Home Charger combines smart screen management with advanced safety features, offering flexible configurations for a tailored home charging experience.

Product Advantages



Advanced Design

Retractable structure for easy installation.



Dynamic Load Management

Optimizes energy distribution for efficient charging.



User-Friendly

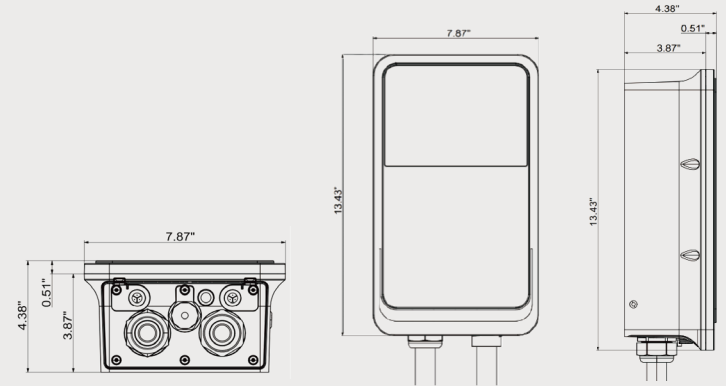
one touch wake-up touch design.



Reliability

Multiple Electrical Safety Protection.

Product Size



Choose a charger that fits your needs.

UN-C

 **OCPP:**
OCPP 1.6J

 **Connector:**
Type 1/Type 2

 **COMMUNICATION:**
Bluetooth/RS485

 **Charging Mode:**
RFID/Plug&Play

UN-S

 **OCPP:**
OCPP 1.6J

 **Connector:**
Type 1/Type 2

 **COMMUNICATION:**
WIFI/Bluetooth/RS485

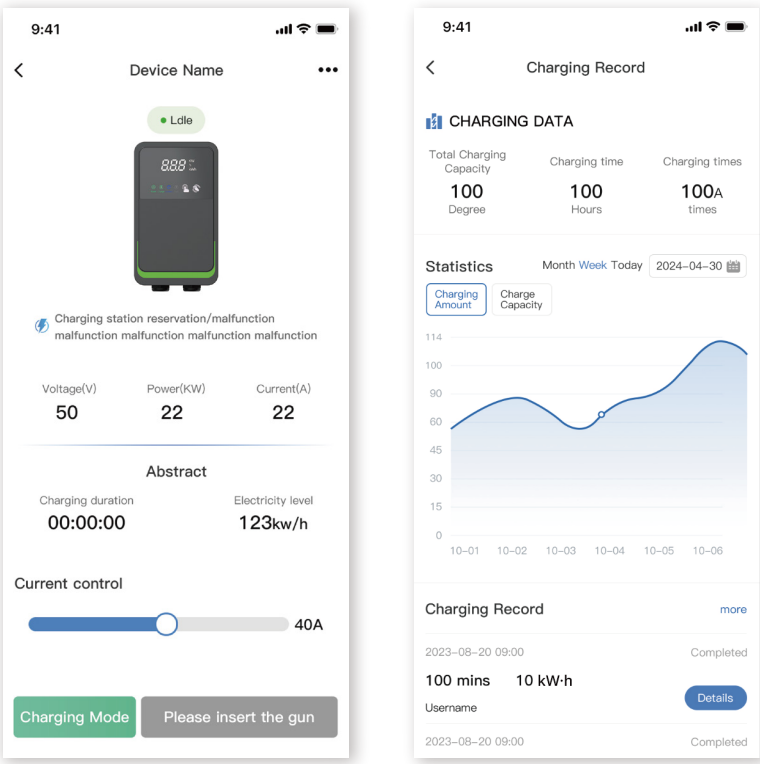
 **Charging Mode:**
APP/RFID/Plug&Play

Versatile Connectivity

Connectivity via WiFi, RS485, Bluetooth, enabling real-time monitoring and management.

Smart APP Control

- ①Charging schedule& Current Setting
- ②Appointment Time
- ③Monitor Charging Status
- ④Save Charging Cost



U AC Home Charger
Type 1 Level 2



40A/48A



Type 1 Plug



Warranty 3 Years



Model Selection
Models-UN1-C/S-T

Model No.	UN1-C-A40T	UN1-C-A48T	UN1-S-A40T	UN1-S-A48T
				
ELECTRICAL SPECIFICATION				
Input Connector	NEMA,Hardwired Optional	Hardwired	NEMA,Hardwired Optional	Hardwired
Voltage	208/240V, 180 to 264 VAC		208/240V, 180 to 264 VAC	
Amperage/Power Output	40A/9.6KW	48A/11.5KW	40A/9.6KW	48A/11.5KW
Energy Metering Accuracy	±1%		±1%	
Mounting Option	Wall or Pedestal mount, Pedestal Optional		Wall or Pedestal mount, Pedestal Optional	
CHARGING INTERFACE				
Charging Connector	SAE J1772 Type 1 Plug		SAE J1772 Type 1 Plug	
Charging Cable Length	18ft Standard, 25ft Optional		18ft Standard, 25ft Optional	
USER INTERACTION				
Display	Segmented display		Segmented display	
LED Status Indicator	POWER/CHARGING/CONNECT/FAULT status indication		POWER/CHARGING/CONNECT/FAULT status indication	
Touch Button	Wake up the device from sleep		Wake up the device from sleep	
Authentication	RFID:ISO14443 Type A&B		RFID:ISO14443 Type A&B	
COMMUNICATION				
Network Interface	BT Standard		WiFi/BT Standard	
Start Mode	Plug&Play/RFID		APP/RFID/Plug&Play	
RS485	1*RS485 (2*RS485 optional)		1*RS485 (2*RS485 optional)	
SAFETY & COMPLIANCE				
Ground Fault Detection	CCID20		CCID20	
Ground Monitor	UL2231		UL2231	
Surge Protection	6kV @3,000A		6kV @3,000A	
Protection	UVP(UnderVoltage), OVP(OverVoltage), OCP(OverCurrent), OTP(OverTemp), Control Pilot Fault Protection, Relay-sticking protection, Ground Fault Protection, O-PEN Protection			
Safety Compliance	UL 2594 / CSA C22.2 No. 280-16, UL 2231-1 / CSA C22.2 No. 281.1-12, UL 2231-2 / CSA C22.2 No. 281.2-12			
Certification	ETL/FCC/EnergyStar		ETL/FCC/EnergyStar	
ENVIRONMENTAL				
Operating Temperature	-30℃ ~ 55℃		-30℃ ~ 55℃	
Operating Humidity	5%~95% RH,Non-condensing		5%~95% RH,Non-condensing	
Operating Altitude	≤2000m,No Derating		≤2000m,No Derating	
IP/IK Level	IP65/IK08		IP65/IK08	

U AC Home Charger

NACS Level 2



40A/48A



NACS Plug



Warranty 3 Years



Model Selection

Models-UN1-C/S-N

Model No.	UN1-C-A40N	UN1-C-A48N	UN1-S-A40N	UN1-S-A48N
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ELECTRICAL SPECIFICATION				
Input Connector	NEMA,Hardwired Optional	Hardwired	NEMA,Hardwired Optional	Hardwired
Voltage	208/240V, 180 to 264 VAC		208/240V, 180 to 264 VAC	
Amperage/Power Output	40A/9.6KW	48A/11.5KW	40A/9.6KW	48A/11.5KW
Energy Metering Accuracy	±1%		±1%	
Mounting Option	Wall or Pedestal mount, Pedestal Optional		Wall or Pedestal mount, Pedestal Optional	
CHARGING INTERFACE				
Charging Connector	NACS Plug		NACS Plug	
Charging Cable Length	18ft Standard, 25ft Optional		18ft Standard, 25ft Optional	
USER INTERACTION				
Display	Segmented display		Segmented display	
LED Status Indicator	POWER/CHARGING/CONNECT/FAULT status indication		POWER/CHARGING/CONNECT/FAULT status indication	
Touch Button	Wake up the device from sleep		Wake up the device from sleep	
Authentication	RFID:ISO14443 Type A&B		RFID:ISO14443 Type A&B	
COMMUNICATION				
Network Interface	BT Standard		WiFi/BT Standard	
Start Mode	Plug&Play/RFID		APP/RFID/Plug&Play	
RS485	1*RS485 (2*RS485 optional)		1*RS485 (2*RS485 optional)	
SAFETY & COMPLIANCE				
Ground Fault Detection	CCID20		CCID20	
Ground Monitor	UL2231		UL2231	
Surge Protection	6kV @3,000A		6kV @3,000A	
Protection	UVP(UnderVoltage), OVP(OverVoltage), OCP(OverCurrent), OTP(OverTemp), Control Pilot Fault Protection, Relay-sticking protection, Ground Fault Protection, O-PEN Protection			
Safety Compliance	UL 2594 / CSA C22.2 No. 280-16, UL 2231-1 / CSA C22.2 No. 281.1-12, UL 2231-2 / CSA C22.2 No. 281.2-12			
Certiffcation	ETL/FCC/EnergyStar		ETL/FCC/EnergyStar	
ENVIRONMENTAL				
Operating Temperature	-30℃ ~ 55℃		-30℃ ~ 55℃	
Operating Humidity	5%~95% RH,Non-condensing		5%~95% RH,Non-condensing	
Operating Altitude	≤2000m,No Derating		≤2000m,No Derating	
IP/IK Level	IP65/IK08		IP65/IK08	

U AC Home Charger

Type 2

Mode 3



7kW/11kW/22kW



Cable



Socket



Model Selection

Models-UE1-C/S

Model No.	UE1-C-P7	UE1-C-P11	UE1-C-P22	UE1-S-P7	UE1-S-P11	UE1-S-P22
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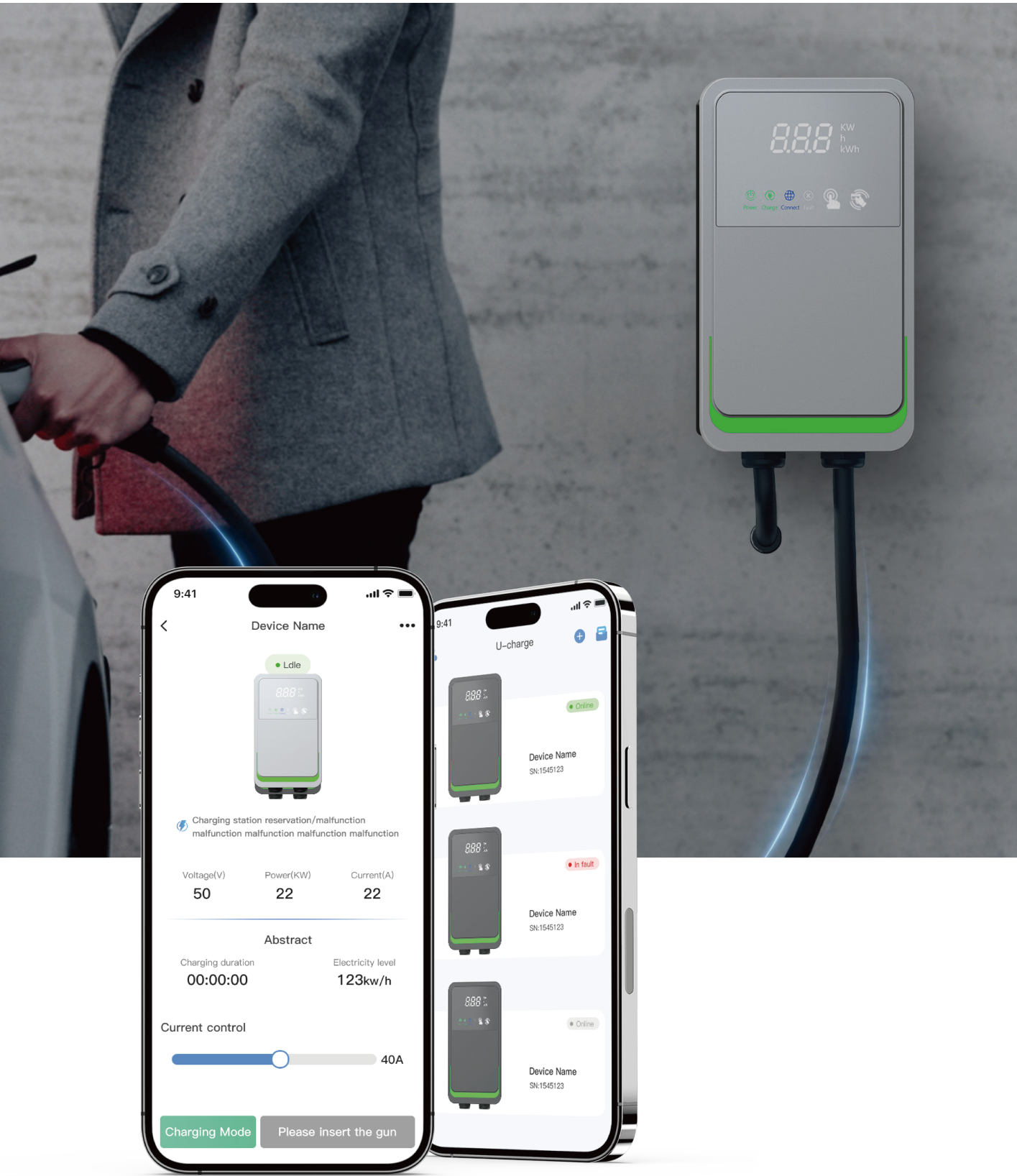


ELECTRICAL SPECIFICATION						
Input Connector	Direct connection, Hardwired Optional			Direct connection, Hardwired Optional		
Voltage	230Vac±10%	400Vac±10%		230Vac±10%	400Vac±10%	
Amperage/Power Output	32A/7KW	16A/11KW	32A/22KW	32A/7KW	16A/11KW	32A/22KW
Energy Metering Accuracy	±1%			±1%		
Mounting Option	Wall or Pedestal mount, Pedestal Optional			Wall or Pedestal mount, Pedestal Optional		
CHARGING INTERFACE						
Charging Connector	IEC 62196-2 Compliant, Type 2 cable			IEC 62196-2 Compliant, Type 2 cable		
Charging Cable Length	5m Standard, 7m Optional			5m Standard, 7m Optional		
USER INTERACTION						
Display	Segmented display			Segmented display		
LED Status Indicator	POWER/CHARGING/CONNECT/FAULT status indication			POWER/CHARGING/CONNECT/FAULT status indication		
Touch Button	Wake up the device from sleep			Wake up the device from sleep		
Authentication	RFID:ISO14443 Type A&B			RFID:ISO14443 Type A&B		
COMMUNICATION						
Network Interface	BT Standard			WiFi/BT Standard		
Start Mode	Plug&Play/RFID			APP/RFID/Plug&Play		
RS485	1*RS485 (2*RS485 optional)			1*RS485 (2*RS485 optional)		
SAFETY & COMPLIANCE						
RCD	TypeA+DC6mA			TypeA+DC6mA		
Ground Residual Current Monitor	BS-7671			BS-7671		
O-PEN	BS-7671			BS-7671		
Surge Protection	4kV @2,000A			4kV @2,000A		
Protection	UVP(UnderVoltage),OVP(OverVoltage),OCP(OverCurrent),OTP(OverTemp),Control Pilot Fault Protection,Relay-sticking protection,Ground Fault Protection,O-PEN Protection					
Safety Compliance	IEC61851-1, IEC61851-21-2, EN 62311, EN 62479, IEC/EN 62955					
Certiffcation	SGS-CE/CB/UKCA			SGS-CE/CB/UKCA		
ENVIRONMENTAL						
Operating Temperature	-30℃ ~ 55℃			-30℃ ~ 55℃		
Operating Humidity	5%~95% RH,Non-condensing			5%~95% RH,Non-condensing		
Operating Altitude	≤2000m,No Derating			≤2000m,No Derating		
IP/IK Level	IP65/IK08			IP65/IK08		

Model Selection

Models-UES1-C/S

Model No.	UES1-C-P7	UES1-C-P11	UES1-C-P22	UES1-S-P7	UES1-S-P11	UES1-S-P22
						
ELECTRICAL SPECIFICATION						
Input Connector	Direct connection, Hardwired Optional			Direct connection, Hardwired Optional		
Voltage	230Vac±10%	400Vac±10%		230Vac±10%	400Vac±10%	
Amperage/Power Output	32A/7KW	16A/11KW	32A/22KW	32A/7KW	16A/11KW	32A/22KW
Energy Metering Accuracy	±1%			±1%		
Mounting Option	Wall or Pedestal mount, Pedestal Optional			Wall or Pedestal mount, Pedestal Optional		
CHARGING INTERFACE						
Charging Connector	IEC 62196-2 Compliant, Type 2 socket			IEC 62196-2 Compliant, Type 2 socket		
USER INTERACTION						
Display	Segmented display			Segmented display		
LED Status Indicator	POWER/CHARGING/CONNECT/FAULT status indication			POWER/CHARGING/CONNECT/FAULT status indication		
Touch Button	Wake up the device from sleep			Wake up the device from sleep		
Authentication	RFID:ISO14443 Type A&B			RFID:ISO14443 Type A&B		
COMMUNICATION						
Network Interface	BT Standard			WiFi/BT Standard		
Start Mode	Plug&Play/RFID			APP/RFID/Plug&Play		
RS485	1*RS485 (2*RS485 optional)			1*RS485 (2*RS485 optional)		
SAFETY & COMPLIANCE						
RCD	TypeA+DC6mA			TypeA+DC6mA		
Ground Residual Current Monitor	BS-7671			BS-7671		
O-PEN	BS-7671			BS-7671		
Surge Protection	4kV @2,000A			4kV @2,000A		
Protection	UVP(UnderVoltage),OVP(OverVoltage),OCP(OverCurrent),OTP(OverTemp),Control Pilot Fault Protection,Relay-sticking protection,Ground Fault Protection,O-PEN Protection					
Safety Compliance	IEC61851-1, IEC61851-21-2, EN 62311, EN 62479, IEC/EN 62955					
Certification	SGS-CE/CB/UKCA			SGS-CE/CB/UKCA		
ENVIRONMENTAL						
Operating Temperature	-30℃ ~ 55℃			-30℃ ~ 55℃		
Operating Humidity	5%~95% RH,Non-condensing			5%~95% RH,Non-condensing		
Operating Altitude	≤2000m,No Derating			≤2000m,No Derating		
IP/IK Level	IP54/IK08			IP54/IK08		



AC Charger Business

Choose a charger that fits your business needs.

Single Commercial AC Charger	Wireless Self-Networking Commercial AC Charger
 Self-organizing Network: Without	 Self-organizing Network: Wi-SUN Mesh
 Connector: Type 1/Type 2/NACS	 Connector: Type 1/Type 2/NACS
 OCPP: OCPP 1.6J/OCPP 2.0.1	 OCPP: OCPP 1.6J/OCPP 2.0.1
 Application Scenarios: All Commercial Application Scenarios	 Application Scenarios: In all commercial scenarios, especially those with poor signals.

Product Overview

AC Charger Business provides reliable, user-friendly charging solutions for electric vehicles, catering to both residential and commercial needs with advanced technology and customizable options.

Leading Technologies

Self-developed for high protocol compatibility
Supports full-stack OCPP 1.6J and OCPP 2.0.1, Validated by major European and U.S. charging operators (CPOs)

Leading ISO 15118 Application
Pioneered the implementation of ISO 15118 for AC charging stations, and became the first to pass TUV compliance testing.

Self-developed for electrical safety standards
US Standard products comply with UL certification, and EU Standard products meet TUV certification standards; Features comprehensive electrical safety protections; Equipped with a unique relay arc protection mechanism.



Dynamic load balancing Management

Our Multi-Chargers Dynamic Load Balancing offers a smart, solution to managing energy across multiple EV chargers. It efficiently regulates electrical supply to all charging stations, preventing grid overload and the need for expensive electrical panel upgrades.

✓ Optimize power distribution:

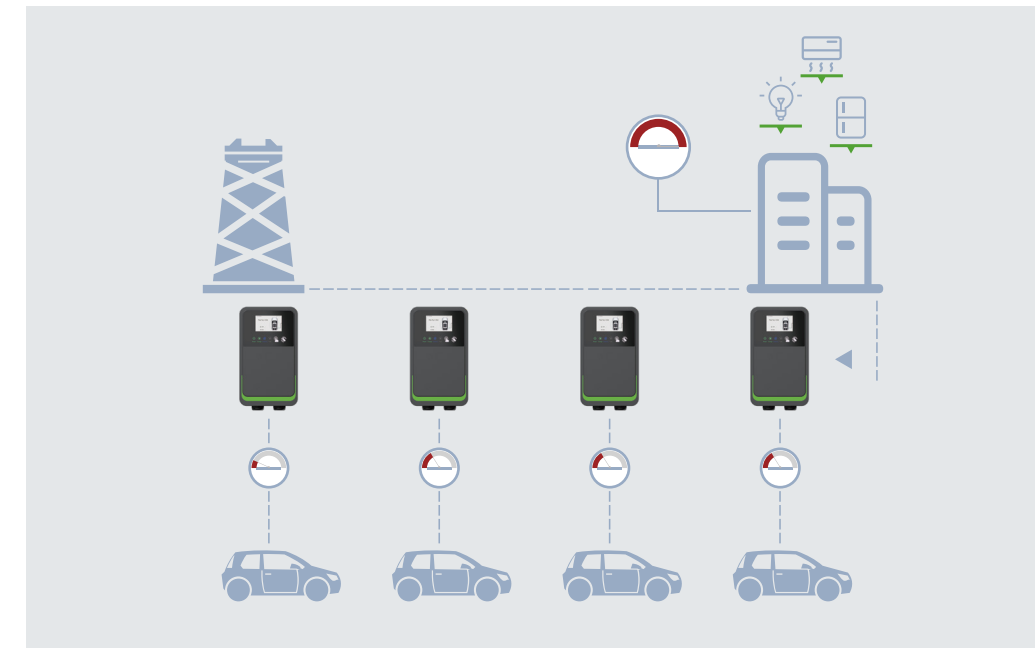
Enhance the overall efficiency and effectiveness of the charging infrastructure. Ensure efficient charging of multiple vehicles simultaneously with existing circuit capacity.

✓ Avoid costly grid upgrades:

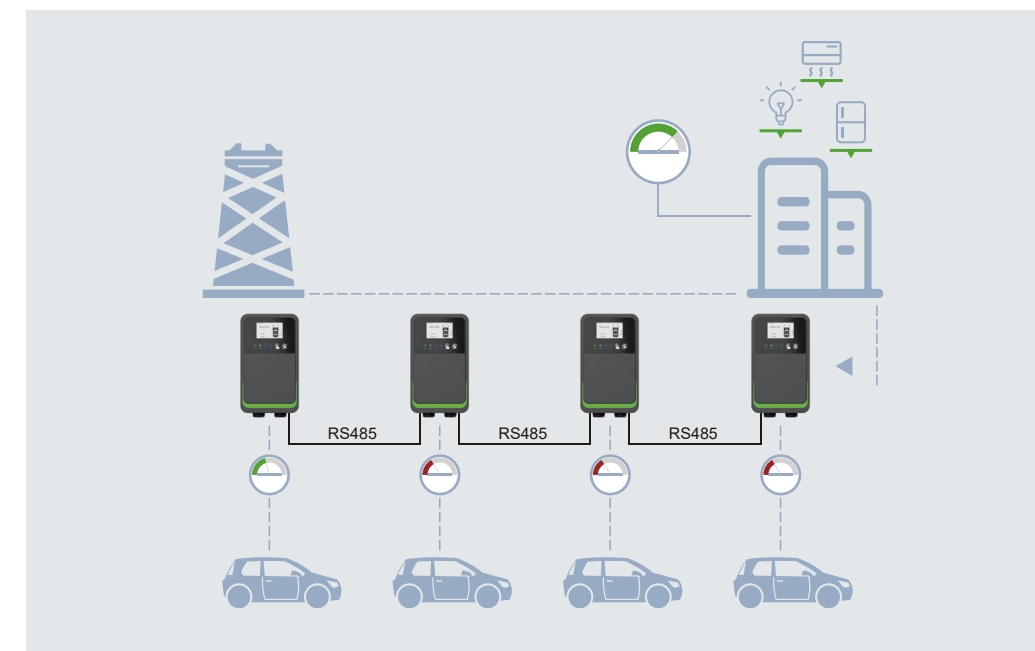
Eliminate the necessity for expensive electrical panel upgrades. Help avoid costs by maximizing charging efficiency without increasing energy consumption.

✓ Protect grid connection:

Make sure that set power limits are never surpassed. Ensure each charging station receives adequate power without overloading the circuit.



Without Dynamic Load Balancing Management



With Dynamic Load Balancing Management

Cyber Security

ULandpower Cyber Security supports a comprehensive closed-loop security system, incorporating identity authentication, data and firmware integrity verification, and data encryption using advanced algorithms such as ECDSA P-256, SHA-256, and AES-256.



Excellent protocol compatibility

✓ Ensuring Service Continuity:

Effectively preventing and responding to cyber attacks ensures the stable operation of charging equipment, reducing downtime and service interruptions, thus improving user experience.

✓ Protecting User Privacy and Data:

Ensuring the security of users' charging records, payment information, and personal data, reducing legal and financial risks associated with data breaches.

✓ Compliance and Standardization:

Meeting industry regulations and security standards to avoid fines and legal actions due to non-compliance, ensuring the legitimacy and competitiveness of enterprises in the market.

✓ OCPP 1.6J:

Independently implements full-stack OCPP 1.6J successfully connected with mainstream CPO platforms such as ChargeLab, Ampup, AMPECO and Noodoe.

✓ OCPP 2.0.1:

Completed the implementation of OCPP 2.0.1, and is connecting to the CPO platform.

✓ ISO 15118:

Fully supports ISO 15118-2 standard and supports P&C function.

Single Commercial AC Charger



Product Overview

The Single Commercial AC Charger is specifically designed for commercial applications, featuring versatile communication options and a wide range of configurable charging current specifications. It's built to accommodate diverse operational needs with flexibility and efficiency.

Product Advantages



Advanced Design
Retractable structure for easy installation



Efficient Charging
stable and fast charging performance in commercial settings

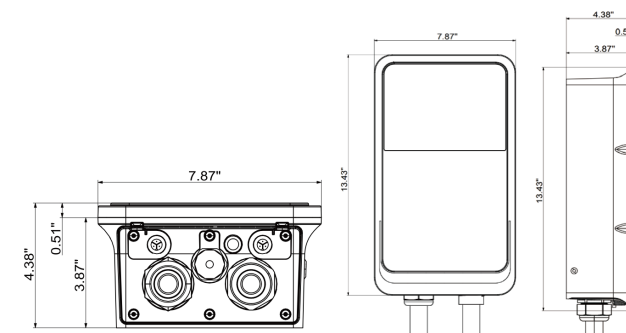


User-Friendly
one touch wake-up touch design

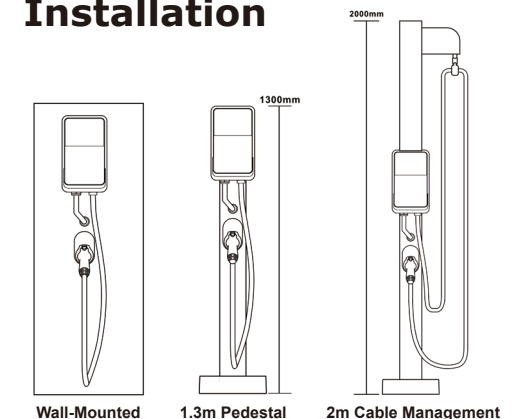


High Reliability
Multiple Electrical Safety Protection, UV resistant and anti-aging materials, PC+ASA material

Product Size



Installation



Single Commercial AC Charger

Type 1 Level 2



32A/40A/48A/80A



SAE J1772



Warranty 3 Years



Model Selection

Models-UN1(Pro)-T

Model No.	UN1-A32T	UN1-A40T	UN1-A48T	UN1-A80T	UN1Pro-A32T	UN1Pro-A40T	UN1Pro-A48T	UN1Pro-A80T
								
ELECTRICAL SPECIFICATION								
Input Connector	Hardwired				Hardwired			
Voltage	208/240V, 180 to 264 VAC				208/240V, 180 to 264 VAC			
Amperage/Power Output	32A/7.6KW	40A/9.6KW	48A/11.5KW	80A/19.2KW	32A/7.6KW	40A/9.6KW	48A/11.5KW	80A/19.2KW
Energy Metering Accuracy	±1%				±1%			
Mounting Option	Wall or Pedestal mount, Pedestal Optional				Wall or Pedestal mount, Pedestal Optional			
CHARGING INTERFACE								
Charging Connector	SAE J1772 Type 1 Plug				SAE J1772 Type 1 Plug			
Charging Cable Length	5m Standard, 7m Optional				5m Standard, 7m Optional			
USER INTERACTION								
Display	Segmented display				Segmented display			
LED Status Indicator	POWER/CHARGING/CONNECT/FAULT status indication				POWER/CHARGING/CONNECT/FAULT status indication			
Touch Button	Wake up the device from sleep				Wake up the device from sleep			
Authentication	RFID:ISO14443 Type A&B				RFID:ISO14443 Type A&B			
COMMUNICATION								
Network Interface	LAN and WiFi/BT Standard, 4G Optional				LAN and WiFi/BT Standard, 4G Optional			
Charging Protocol	OCPP1.6J				OCPP1.6J/OCPP2.0.1			
ISO15118	No support				Optional(support ISO15118 EIM, Plug & Charge)			
RS485	1*RS485 (2*RS485 optional)				1*RS485 (2*RS485 optional)			
Config Tool	Web Portal over LAN or WiFi				Web Portal over LAN or WiFi			
Debug Tool	Wireless debug over BT				SSH over LAN			
SAFETY & COMPLIANCE								
Ground Fault Detection	CCID20				CCID20			
Ground Monitor	UL2231				UL2231			
Surge Protection	6kV @3,000A				6kV @3,000A			
Protection	UVP(UnderVoltage),OVP(OverVoltage),OCP(OverCurrent),OTP(OverTemp),Control Pilot Fault Protection,Relay-sticking protection,Ground Fault Protection,O-PEN Protection							
Safety Compliance	UL 2594 / CSA C22.2 No. 280-16,UL 2231-1 / CSA C22.2 No. 281.1-12,□UL 2231-2 / CSA C22.2 No. 281.2-12							
Certiffcation	ETL/FCC/EnergyStar				ETL/FCC/EnergyStar			
ENVIRONMENTAL								
Operating Temperature	-30℃ ~ 55℃		-30℃ ~ 50℃		-30℃ ~ 55℃		-30℃ ~ 50℃	
Operating Humidity	5%~95% RH,Non-condensing				5%~95% RH,Non-condensing			
Operating Altitude	≤2000m,No Derating				≤2000m,No Derating			
IP/IK Level	IP65/IK08				IP65/IK08			

Models-UN2(Pro)-T

Model No.	UN2-A32T				UN2-A40T				UN2-A48T				UN2-A80T				UN2Pro-A32T				UN2Pro-A40T				UN2Pro-A48T				UN2Pro-A80T										
																																							
ELECTRICAL SPECIFICATION																																							
Input Connector								Hardwired												Hardwired																			
Voltage								208/240V, 180 to 264 VAC												208/240V, 180 to 264 VAC																			
Amperage/Power Output								32A/7.6KW				40A/9.6KW				48A/11.5KW				80A/19.2KW				32A/7.6KW				40A/9.6KW				48A/11.5KW				80A/19.2KW			
Energy Metering Accuracy								±1%												±1%																			
Mounting Option								Wall or Pedestal mount, Pedestal Optional												Wall or Pedestal mount, Pedestal Optional																			
CHARGING INTERFACE																																							
Charging Connector								SAE J1772 Type 1 Plug												SAE J1772 Type 1 Plug																			
Charging Cable Length								5m Standard, 7m Optional												5m Standard, 7m Optional																			
USER INTERACTION																																							
Display								4.3"color LCD, 480 x 272												4.3"color LCD, 800 x 480 Support OTA display UI																			
LED Status Indicator								POWER/CHARGING/CONNECT/FAULT status indication												POWER/CHARGING/CONNECT/FAULT status indication																			
Touch Button								Wake up the device from sleep												Wake up the device from sleep																			
Authentication								RFID:ISO14443 Type A&B												RFID:ISO14443 Type A&B																			
COMMUNICATION																																							
Network Interface								LAN and WiFi/BT Standard, 4G Optional												LAN and WiFi/BT Standard, 4G Optional																			
Charging Protocol								OCPP1.6J												OCPP1.6J/OCPP2.0.1																			
ISO15118								No support												Optional(support ISO15118 EIM, Plug & Charge)																			
RS485								1*RS485 (2*RS485 optional)												1*RS485 (2*RS485 optional)																			
Config Tool								Web Portal over LAN or WiFi												Web Portal over LAN or WiFi																			
Debug Tool								Wireless debug over BT												SSH over LAN																			
SAFETY & COMPLIANCE																																							
Ground Fault Detection								CCID20												CCID20																			
Ground Monitor								UL2231												UL2231																			
Surge Protection								6kV @3,000A												6kV @3,000A																			
Protection								UVP(UnderVoltage),OVP(OverVoltage),OCP(OverCurrent),OTP(OverTemp),Control Pilot Fault Protection,Relay-sticking protection,Ground Fault Protection,O-PEN Protection																															
Safety Compliance								UL 2594 / CSA C22.2 No. 280-16,UL 2231-1 / CSA C22.2 No. 281.1-12,UL 2231-2 / CSA C22.2 No. 281.2-12																															
Certification								ETL/FCC/EnergyStar												ETL/FCC/EnergyStar																			
ENVIRONMENTAL																																							
Operating Temperature								-30℃ ~ 55℃								-30℃ ~ 50℃								-30℃ ~ 55℃								-30℃ ~ 50℃							
Operating Humidity								5%~95% RH,Non-condensing												5%~95% RH,Non-condensing																			
Operating Altitude								≤2000m,No Derating												≤2000m,No Derating																			
IP/IK Level								IP65/IK08												IP65/IK08																			

Single Commercial AC Charger
NACS Level 2



32A/40A/48A/80A



NACS Plug



Warranty 3 Years



Model Selection

Models-UN1(Pro)-N

Model No.	UN1-A32N	UN1-A40N	UN1-A48N	UN1-A80N	UN1Pro-A32N	UN1Pro-A40N	UN1Pro-A48N	UN1Pro-A80N
								
ELECTRICAL SPECIFICATION								
Input Connector	Hardwired				Hardwired			
Voltage	208/240V, 180 to 264 VAC				208/240V, 180 to 264 VAC			
Amperage/Power Output	32A/7.6KW	40A/9.6KW	48A/11.5KW	80A/19.2KW	32A/7.6KW	40A/9.6KW	48A/11.5KW	80A/19.2KW
Energy Metering Accuracy	±1%				±1%			
Mounting Option	Wall or Pedestal mount, Pedestal Optional				Wall or Pedestal mount, Pedestal Optional			
CHARGING INTERFACE								
Charging Connector	NACS Plug				NACS Plug			
Charging Cable Length	5m Standard, 7m Optional				5m Standard, 7m Optional			
USER INTERACTION								
Display	Segmented display				Segmented display			
LED Status Indicator	POWER/CHARGING/CONNECT/FAULT status indication				POWER/CHARGING/CONNECT/FAULT status indication			
Touch Button	Wake up the device from sleep				Wake up the device from sleep			
Authentication	RFID:ISO14443 Type A&B				RFID:ISO14443 Type A&B			
COMMUNICATION								
Network Interface	LAN and WiFi/BT Standard, 4G Optional				LAN and WiFi/BT Standard, 4G Optional			
Charging Protocol	OCPP1.6J				OCPP1.6J/OCPP2.0.1			
ISO15118	No support				Optional(support ISO15118 EIM, Plug & Charge)			
RS485	1*RS485 (2*RS485 optional)				1*RS485 (2*RS485 optional)			
Config Tool	Web Portal over LAN or WiFi				Web Portal over LAN or WiFi			
Debug Tool	Wireless debug over BT				SSH over LAN			
SAFETY & COMPLIANCE								
Ground Fault Detection	CCID20				CCID20			
Ground Monitor	UL2231				UL2231			
Surge Protection	6kV @3,000A				6kV @3,000A			
Protection	UVP(UnderVoltage),OVP(OverVoltage),OCP(OverCurrent),OTP(OverTemp),Control Pilot Fault Protection,Relay-sticking protection,Ground Fault Protection,O-PEN Protection							
Safety Compliance	UL 2594 / CSA C22.2 No. 280-16,UL 2231-1 / CSA C22.2 No. 281.1-12,□UL 2231-2 / CSA C22.2 No. 281.2-12							
Certiffcation	ETL/FCC/EnergyStar				ETL/FCC/EnergyStar			
ENVIRONMENTAL								
Operating Temperature	-30℃ ~ 55℃		-30℃ ~ 50℃		-30℃ ~ 55℃		-30℃ ~ 50℃	
Operating Humidity	5%~95% RH,Non-condensing				5%~95% RH,Non-condensing			
Operating Altitude	≤2000m,No Derating				≤2000m,No Derating			
IP/IK Level	IP65/IK08				IP65/IK08			

Models-UN2(Pro)-N

Model No.	UN2-A32N	UN2-A40N	UN2-A48N	UN2-A80N	UN2Pro-A32N	UN2Pro-A40N	UN2Pro-A48N	UN2Pro-A80N
								
ELECTRICAL SPECIFICATION								
Input Connector	Hardwired				Hardwired			
Voltage	208/240V, 180 to 264 VAC				208/240V, 180 to 264 VAC			
Amperage/Power Output	32A/7.6KW	40A/9.6KW	48A/11.5KW	80A/19.2KW	32A/7.6KW	40A/9.6KW	48A/11.5KW	80A/19.2KW
Energy Metering Accuracy	±1%				±1%			
Mounting Option	Wall or Pedestal mount, Pedestal Optional				Wall or Pedestal mount, Pedestal Optional			
CHARGING INTERFACE								
Charging Connector	NACS Plug				NACS Plug			
Charging Cable Length	5m Standard, 7m Optional				5m Standard, 7m Optional			
USER INTERACTION								
Display	4.3"color LCD, 480 x 272				4.3"color LCD, 800 x 480 Support OTA display UI			
LED Status Indicator	POWER/CHARGING/CONNECT/FAULT status indication				POWER/CHARGING/CONNECT/FAULT status indication			
Touch Button	Wake up the device from sleep				Wake up the device from sleep			
Authentication	RFID:ISO14443 Type A&B				RFID:ISO14443 Type A&B			
COMMUNICATION								
Network Interface	LAN and WiFi/BT Standard, 4G Optional				LAN and WiFi/BT Standard, 4G Optional			
Charging Protocol	OCPP1.6J				OCPP1.6J/OCPP2.0.1			
ISO15118	No support				Optional(support ISO15118 EIM, Plug & Charge)			
RS485	1*RS485 (2*RS485 optional)				1*RS485 (2*RS485 optional)			
Config Tool	Web Portal over LAN or WiFi				Web Portal over LAN or WiFi			
Debug Tool	Wireless debug over BT				SSH over LAN			
SAFETY & COMPLIANCE								
Ground Fault Detection	CCID20				CCID20			
Ground Monitor	UL2231				UL2231			
Surge Protection	6kV @3,000A				6kV @3,000A			
Protection	UVP(UnderVoltage),OVP(OverVoltage),OCP(OverCurrent),OTP(OverTemp),Control Pilot Fault Protection,Relay-sticking protection,Ground Fault Protection,O-PEN Protection							
Safety Compliance	UL 2594 / CSA C22.2 No. 280-16,UL 2231-1 / CSA C22.2 No. 281.1-12,□UL 2231-2 / CSA C22.2 No. 281.2-12							
Certiffcation	ETL/FCC/EnergyStar				ETL/FCC/EnergyStar			
ENVIRONMENTAL								
Operating Temperature	-30℃ ~ 55℃		-30℃ ~ 50℃		-30℃ ~ 55℃		-30℃ ~ 50℃	
Operating Humidity	5%~95% RH,Non-condensing				5%~95% RH,Non-condensing			
Operating Altitude	≤2000m,No Derating				≤2000m,No Derating			
IP/IK Level	IP65/IK08				IP65/IK08			

Single Commercial AC Charger

Type 2

Mode 3



7kW/11kW/22kW



Cable



Socket



Model Selection

Models-UE1(Pro)

Model No.	UE1-P7	UE1-P11	UE1-P22	UE1Pro-P7	UE1Pro-P11	UE1Pro-P22
						
ELECTRICAL SPECIFICATION						
Input Connector	Direct connection, Hardwired Optional			Direct connection, Hardwired Optional		
Voltage	230Vac±10%		400Vac±10%	230Vac±10%		400Vac±10%
Amperage/Power Output	32A/7KW	16A/11KW	32A/22KW	32A/7KW	16A/11KW	32A/22KW
Energy Metering Accuracy	±1%			±1%		
Mounting Option	Wall or Pedestal mount, Pedestal Optional			Wall or Pedestal mount, Pedestal Optional		
CHARGING INTERFACE						
Charging Connector	IEC 62196-2 Compliant, Type 2 cable			IEC 62196-2 Compliant, Type 2 cable		
Charging Cable Length	5m Standard, 7m Optional			5m Standard, 7m Optional		
USER INTERACTION						
Display	Segmented display			Segmented display		
LED Status Indicator	POWER/CHARGING/CONNECT/FAULT status indication			POWER/CHARGING/CONNECT/FAULT status indication		
Touch Button	Wake up the device from sleep			Wake up the device from sleep		
Authentication	RFID:ISO14443 Type A&B			RFID:ISO14443 Type A&B		
COMMUNICATION						
Network Interface	LAN and WiFi/BT Standard, 4G Optional			LAN and WiFi/BT Standard, 4G Optional		
Start Mode	OCPP 1.6J			OCPP 1.6J/OCPP 2.0.1		
ISO15118	No support			Optional(support ISO 15118 EIM, Plug & Charge)		
RS485	1*RS485 (2*RS485 optional)			1*RS485 (2*RS485 optional)		
Config Tool	Web Portal over LAN or WiFi			Web Portal over LAN or WiFi		
Debug Tool	Wireless debug over BT			SSH over LAN		
SAFETY & COMPLIANCE						
RCD	TypeA+DC6mA			TypeA+DC6mA		
Ground Residual Current Monitor	BS-7671			BS-7671		
O-PEN	BS-7671			BS-7671		
Surge Protection	4kV @2,000A			4kV @2,000A		
Protection	UVP(UnderVoltage),OVP(OverVoltage),OCP(OverCurrent),OTP(OverTemp),Control Pilot Fault Protection,Relay-sticking protection,Ground Fault Protection,O-PEN Protection					
Safety Compliance	IEC61851-1, IEC61851-21-2, EN 62311, EN 62479, IEC/EN 62955					
Certiffcation	SGS-CE/CB/UKCA			SGS-CE/CB/UKCA		
ENVIRONMENTAL						
Operating Temperature	-30℃ ~ 55℃			-30℃ ~ 55℃		
Operating Humidity	5%~95% RH,Non-condensing			5%~95% RH,Non-condensing		
Operating Altitude	≤2000m,No Derating			≤2000m,No Derating		
IP/IK Level	IP65/IK08			IP65/IK08		

Models-UE2(Pro)

Model No.	UE2-P7	UE2-P11	UE2-P22	UE2Pro-P7	UE2Pro-P11	UE2Pro-P22
						
ELECTRICAL SPECIFICATION						
Input Connector	Direct connection, Hardwired Optional			Direct connection, Hardwired Optional		
Voltage	230Vac±10%	400Vac±10%		230Vac±10%	400Vac±10%	
Amperage/Power Output	32A/7KW	16A/11KW	32A/22KW	32A/7KW	16A/11KW	32A/22KW
Energy Metering Accuracy	±1%			±1%		
Mounting Option	Wall or Pedestal mount, Pedestal Optional			Wall or Pedestal mount, Pedestal Optional		
CHARGING INTERFACE						
Charging Connector	IEC 62196-2 Compliant, Type 2 cable			IEC 62196-2 Compliant, Type 2 cable		
Charging Cable Length	5m Standard, 7m Optional			5m Standard, 7m Optional		
USER INTERACTION						
Display	4.3"color LCD, 480 x 272			4.3"color LCD, 800 x 480 Support OTA display UI		
LED Status Indicator	POWER/CHARGING/CONNECT/FAULT status indication			POWER/CHARGING/CONNECT/FAULT status indication		
Touch Button	Wake up the device from sleep			Wake up the device from sleep		
Authentication	RFID:ISO14443 Type A&B			RFID:ISO14443 Type A&B		
COMMUNICATION						
Network Interface	LAN and WiFi/BT Standard, 4G Optional			LAN and WiFi/BT Standard, 4G Optional		
Start Mode	OCPP 1.6J			OCPP 1.6J/OCPP 2.0.1		
ISO15118	No support			Optional(support ISO 15118 EIM, Plug & Charge)		
RS485	1*RS485 (2*RS485 optional)			1*RS485 (2*RS485 optional)		
Config Tool	Web Portal over LAN or WiFi			Web Portal over LAN or WiFi		
Debug Tool	Wireless debug over BT			SSH over LAN		
SAFETY & COMPLIANCE						
RCD	TypeA+DC6mA			TypeA+DC6mA		
Ground Residual Current Monitor	BS-7671			BS-7671		
O-PEN	BS-7671			BS-7671		
Surge Protection	4kV @2,000A			4kV @2,000A		
Protection	UVP(UnderVoltage),OVP(OverVoltage),OCP(OverCurrent),OTP(OverTemp),Control Pilot Fault Protection,Relay-sticking protection,Ground Fault Protection,O-PEN Protection					
Safety Compliance	IEC61851-1, IEC61851-21-2, EN 62311, EN 62479, IEC/EN 62955					
Certiffcation	SGS-CE/CB/UKCA			SGS-CE/CB/UKCA		
ENVIRONMENTAL						
Operating Temperature	-30℃ ~ 55℃			-30℃ ~ 55℃		
Operating Humidity	5%~95% RH,Non-condensing			5%~95% RH,Non-condensing		
Operating Altitude	≤2000m,No Derating			≤2000m,No Derating		
IP/IK Level	IP65/IK08			IP65/IK08		

Models-UES1(Pro)

Model No.	UES1-P7	UES1-P11	UES1-P22	UES1Pro-P7	UES1Pro-P11	UES1Pro-P22
						
ELECTRICAL SPECIFICATION						
Input Connector	Direct connection, Hardwired Optional			Direct connection, Hardwired Optional		
Voltage	230Vac±10%		400Vac±10%	230Vac±10%		400Vac±10%
Amperage/Power Output	32A/7KW	16A/11KW	32A/22KW	32A/7KW	16A/11KW	32A/22KW
Energy Metering Accuracy	±1%			±1%		
Mounting Option	Wall or Pedestal mount, Pedestal Optional			Wall or Pedestal mount, Pedestal Optional		
CHARGING INTERFACE						
Charging Connector	IEC 62196-2 Compliant, Type 2 socket			IEC 62196-2 Compliant, Type 2 socket		
USER INTERACTION						
Display	Segmented display			Segmented display		
LED Status Indicator	POWER/CHARGING/CONNECT/FAULT status indication			POWER/CHARGING/CONNECT/FAULT status indication		
Touch Button	Wake up the device from sleep			Wake up the device from sleep		
Authentication	RFID:ISO14443 Type A&B			RFID:ISO14443 Type A&B		
COMMUNICATION						
Network Interface	LAN and WiFi/BT Standard, 4G Optional			LAN and WiFi/BT Standard, 4G Optional		
Start Mode	OCPP 1.6J			OCPP 1.6J/OCPP 2.0.1		
RS485	1*RS485 (2*RS485 optional)			1*RS485 (2*RS485 optional)		
Config Tool	Web Portal over LAN or WiFi			Web Portal over LAN or WiFi		
Debug Tool	Wireless debug over BT			SSH over LAN		
SAFETY & COMPLIANCE						
RCD	TypeA+DC6mA			TypeA+DC6mA		
Ground Residual Current Monitor	BS-7671			BS-7671		
O-PEN	BS-7671			BS-7671		
Surge Protection	4kV @2,000A			4kV @2,000A		
Protection	UVP(UnderVoltage),OVP(OverVoltage),OCP(OverCurrent),OTP(OverTemp),Control Pilot Fault Protection,Relay-sticking protection,Ground Fault Protection,O-PEN Protection					
Safety Compliance	IEC61851-1, IEC61851-21-2, EN 62311, EN 62479, IEC/EN 62955					
Certiffcation	SGS-CE/CB/UKCA			SGS-CE/CB/UKCA		
ENVIRONMENTAL						
Operating Temperature	-30℃ ~ 55℃			-30℃ ~ 55℃		
Operating Humidity	5%~95% RH,Non-condensing			5%~95% RH,Non-condensing		
Operating Altitude	≤2000m,No Derating			≤2000m,No Derating		
IP/IK Level	IP54/IK08			IP54/IK08		

Models-UES2(Pro)

Model No.	UES2-P7	UES2-P11	UES2-P22	UES2Pro-P7	UES2Pro-P11	UES2Pro-P22
						
ELECTRICAL SPECIFICATION						
Input Connector	Direct connection, Hardwired Optional			Direct connection, Hardwired Optional		
Voltage	230Vac±10%	400Vac±10%		230Vac±10%	400Vac±10%	
Amperage/Power Output	32A/7KW	16A/11KW	32A/22KW	32A/7KW	16A/11KW	32A/22KW
Energy Metering Accuracy	±1%			±1%		
Mounting Option	Wall or Pedestal mount, Pedestal Optional			Wall or Pedestal mount, Pedestal Optional		
CHARGING INTERFACE						
Charging Connector	IEC 62196-2 Compliant, Type 2 socket			IEC 62196-2 Compliant, Type 2 socket		
USER INTERACTION						
Display	4.3"color LCD, 480 x 272			4.3"color LCD, 800 x 480 Support OTA display UI		
LED Status Indicator	POWER/CHARGING/CONNECT/FAULT status indication			POWER/CHARGING/CONNECT/FAULT status indication		
Touch Button	Wake up the device from sleep			Wake up the device from sleep		
Authentication	RFID:ISO14443 Type A&B			RFID:ISO14443 Type A&B		
COMMUNICATION						
Network Interface	LAN and WiFi/BT Standard, 4G Optional			LAN and WiFi/BT Standard, 4G Optional		
Start Mode	OCPP 1.6J			OCPP 1.6J/OCPP 2.0.1		
RS485	1*RS485 (2*RS485 optional)			1*RS485 (2*RS485 optional)		
Config Tool	Web Portal over LAN or WiFi			Web Portal over LAN or WiFi		
Debug Tool	Wireless debug over BT			SSH over LAN		
SAFETY & COMPLIANCE						
RCD	TypeA+DC6mA			TypeA+DC6mA		
Ground Residual Current Monitor	BS-7671			BS-7671		
O-PEN	BS-7671			BS-7671		
Surge Protection	4kV @2,000A			4kV @2,000A		
Protection	UVP(UnderVoltage),OVP(OverVoltage),OCP(OverCurrent),OTP(OverTemp),Control Pilot Fault Protection,Relay-sticking protection,Ground Fault Protection,O-PEN Protection					
Safety Compliance	IEC61851-1, IEC61851-21-2, EN 62311, EN 62479, IEC/EN 62955					
Certification	SGS-CE/CB/UKCA			SGS-CE/CB/UKCA		
ENVIRONMENTAL						
Operating Temperature	-30℃ ~ 55℃			-30℃ ~ 55℃		
Operating Humidity	5%~95% RH,Non-condensing			5%~95% RH,Non-condensing		
Operating Altitude	≤2000m,No Derating			≤2000m,No Derating		
IP/IK Level	IP54/IK08			IP54/IK08		



Wireless Self-Networking Commercial AC Charger



Product Overview

Enhance your operations with this charging station series in areas with unstable 4G or weak WiFi signals!

Product Advantages



Advanced Design
Retractable structure for easy installation



Efficient Charging
stable and fast charging performance in commercial settings

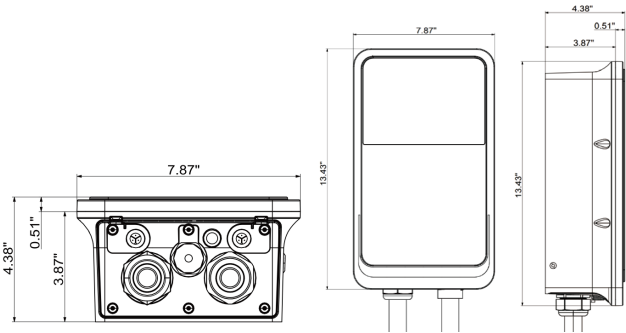


User-Friendly
one touch wake-up touch design

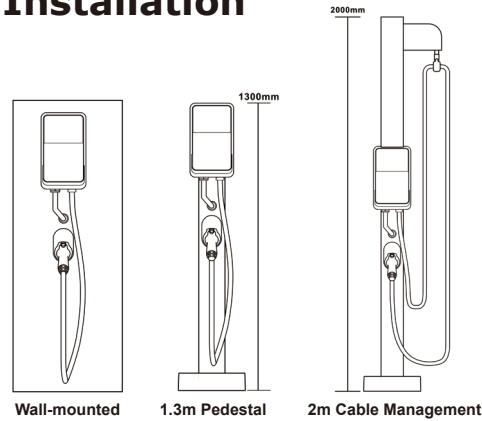


High Reliability
Multiple Electrical Safety Protection, UV resistant and anti-aging materials, PC+ASA material

Product Size



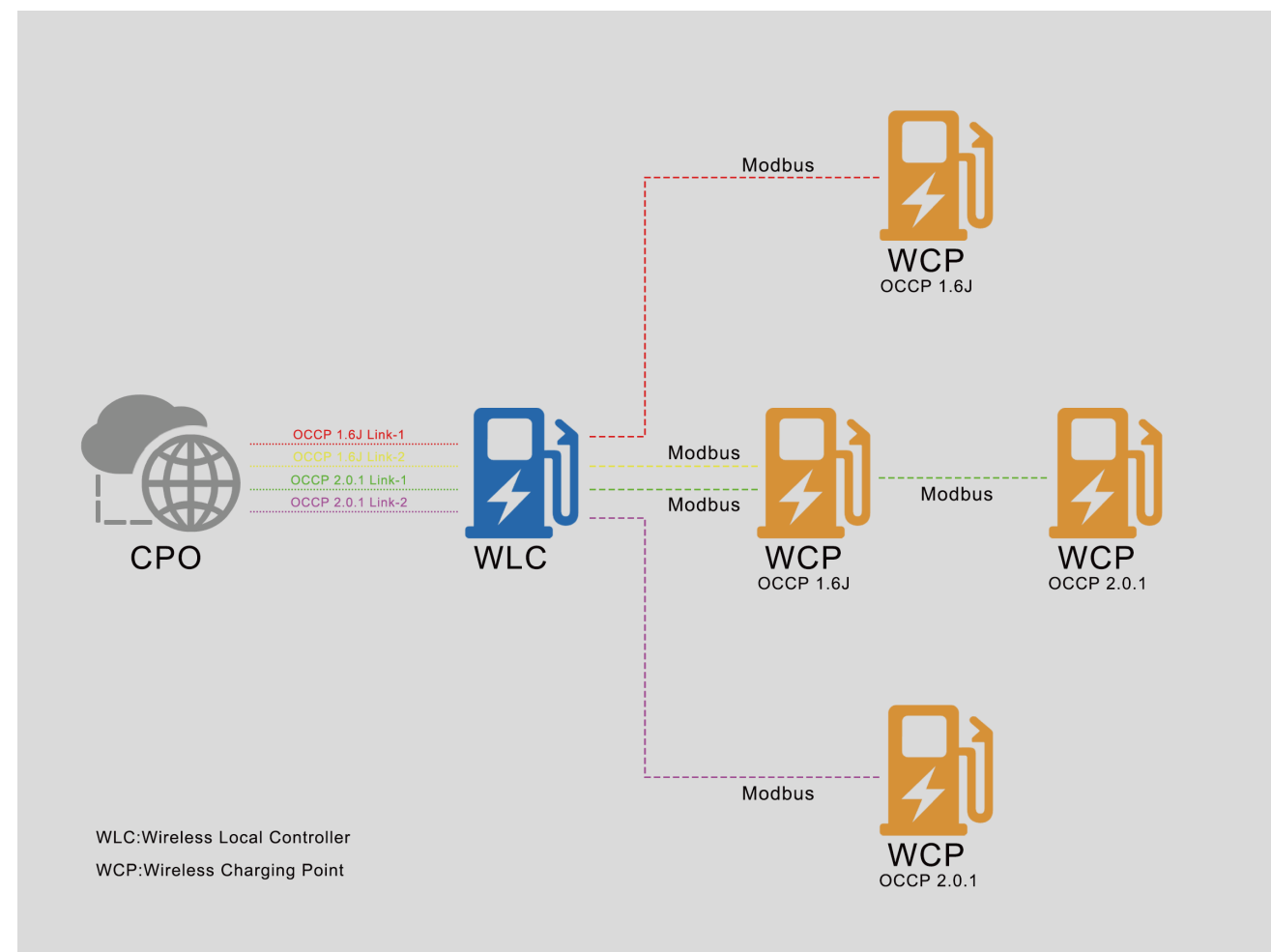
Installation



Virtual wireless networking

Our virtual wireless self-networking series features advanced networking technology, perfect for enhancing your operations in areas with weak WiFi or unstable 4G signals.

- ✓ **Robust Network Reliability:** minimize dependence on public networks, ensuring stable connections.
- ✓ **Effortless Management:** centralize control simplifies network configuration and oversight.
- ✓ **Expansive Coverage:** cover up to 2-3 km and easily passes through 4-5 walls, perfect for challenging environments.



Wireless Self-Networking Commercial AC Charger

Type 1 Level 2



48A / 80A



SAE J1772



Warranty 3 Years



Model Selection

Models-UN1/2-WLC-T

Model No.	UN1-WLC-A48T		UN1-WLC-A80T		UN2-WLC-A48T		UN2-WLC-A80T			
   										
ELECTRICAL SPECIFICATION										
Input Connector			Hardwired							
Voltage			208/240V, 180 to 264 VAC							
Amperage/Power Output			48A/11.5KW		80A/19.2KW		48A/11.5KW		80A/19.2KW	
Energy Metering Accuracy			±1%							
Mounting Option			Wall or Pedestal mount, Pedestal Optional							
CHARGING INTERFACE										
Charging Connector			SAE J1772 Type 1 Plug							
Charging Cable Length			5m Standard, 7m Optional							
USER INTERACTION										
Display			Segmented display			4.3"color LCD, 800 x 480, Support OTA display UI				
LED Status Indicator			POWER/CHARGING/CONNECT/FAULT status indication							
Touch Button			Wake up the device from sleep							
Authentication			RFID: ISO14443 Type A&B							
COMMUNICATION										
Network Interface			LAN and WiFi/BT Standard, 4G Optional							
Wireless Self-organizing Network			Wi-SUN Mesh, IEEE 802.15.4g, Frequency: 902~928MHz							
Maximum number of manageable WCPs			50							
Charging Protocol			OCPP1.6J/OCPP2.0.1							
ISO15118			Optional(support ISO15118 EIM, Plug & Charge)							
RS485			2*RS485							
Config Tool			Web Portal over LAN or WiFi							
Debug Tool			SSH over LAN							
SAFETY & COMPLIANCE										
Ground Fault Detection			CCID20							
Ground Monitor			UL2231							
Surge Protection			6kV @3.000A							
Protection			UVP(UnderVoltage), OVP(OverVoltage), OCP(OverCurrent), OTP(OverTemp), Control Pilot Fault Protection, Relay-sticking protection, Ground Fault Protection							
Safety Compliance			UL 2594 / CSA C22.2 No. 280-16,UL 2231-1 / CSA C22.2 No. 281.1-12, UL 2231-2 / CSA C22.2 No. 281.2-12							
Certiffcation			ETL/FCC/EnergyStar							
ENVIRONMENTAL										
Operating Temperature			-30℃ ~ 55℃		-30℃ ~ 50℃		-30℃ ~ 55℃		-30℃ ~ 50℃	
Operating Humidity			5%~95% RH, Non-condensing							
Operating Altitude			≤2000m, No Derating							
IP/IK Level			IP65/IK08							

Models-UN1/2-WCP-T

Model No.	UN1-WCP-A48T		UN1-WCP-A80T	UN2-WCP-A48T		UN2-WCP-A80T
 						
ELECTRICAL SPECIFICATION						
Input Connector	Hardwired					
Voltage	208/240V, 180 to 264 VAC					
Amperage/Power Output	48A/11.5KW	80A/19.2KW		48A/11.5KW	80A/19.2KW	
Energy Metering Accuracy	±1%					
Mounting Option	Wall or Pedestal mount, Pedestal Optional					
CHARGING INTERFACE						
Charging Connector	SAE J1772 Type 1 Plug					
Charging Cable Length	5m Standard, 7m Optional					
USER INTERACTION						
Display	Segmented display			4.3"color LCD, 800 x 480, Support OTA display UI		
LED Status Indicator	POWER/CHARGING/CONNECT/FAULT status indication					
Touch Button	Wake up the device from sleep					
Authentication	RFID: ISO14443 Type A&B					
COMMUNICATION						
Network Interface	LAN and WiFi/BT Standard(for web configuration)					
Wireless Self-organizing Network	Wi-SUN Mesh, IEEE 802.15.4g, Frequency: 902~928MHz					
Charging Protocol	OCPP1.6J/OCPP2.0.1					
ISO15118	Optional(support ISO15118 EIM, Plug & Charge)					
RS485	2*RS485(for Meter or Daisy chain networking)					
Config Tool	Web Portal over LAN or WiFi					
Debug Tool	SSH over LAN					
SAFETY & COMPLIANCE						
Ground Fault Detection	CCID20					
Ground Monitor	UL2231					
Surge Protection	6kV @3,000A					
Protection	UVP(UnderVoltage), OVP(OverVoltage), OCP(OverCurrent), OTP(OverTemp), Control Pilot Fault Protection, Relay-sticking protection, Ground Fault Protection					
Safety Compliance	UL 2594 / CSA C22.2 No. 280-16,UL 2231-1 / CSA C22.2 No. 281.1-12, UL 2231-2 / CSA C22.2 No. 281.2-12					
Certiffcation	ETL/FCC/EnergyStar					
ENVIRONMENTAL						
Operating Temperature	-30℃ ~ 55℃	-30℃ ~ 50℃		-30℃ ~ 55℃	-30℃ ~ 50℃	
Operating Humidity	5%~95% RH, Non-condensing					
Operating Altitude	≤2000m, No Derating					
IP/IK Level	IP65/IK08					

Wireless Self-Networking
Commercial AC Charger
NACS Level 2



48A / 80A



NACS Plug



Warranty 3 Years



Model Selection

Models-UN1/2-WLC-N

Model No.	UN1-WLC-A48N		UN1-WLC-A80N		UN2-WLC-A48N		UN2-WLC-A80N			
										
ELECTRICAL SPECIFICATION										
Input Connector			Hardwired							
Voltage			208/240V, 180 to 264 VAC							
Amperage/Power Output			48A/11.5KW		80A/19.2KW		48A/11.5KW		80A/19.2KW	
Energy Metering Accuracy			±1%							
Mounting Option			Wall or Pedestal mount, Pedestal Optional							
CHARGING INTERFACE										
Charging Connector			NACS Plug							
Charging Cable Length			5m Standard, 7m Optional							
USER INTERACTION										
Display			Segmented display			4.3"color LCD, 800 x 480, Support OTA display UI				
LED Status Indicator			POWER/CHARGING/CONNECT/FAULT status indication							
Touch Button			Wake up the device from sleep							
Authentication			RFID: ISO14443 Type A&B							
COMMUNICATION										
Network Interface			LAN and WiFi/BT Standard, 4G Optional							
Wireless Self-organizing Network			Wi-SUN Mesh, IEEE 802.15.4g, Frequency: 902~928MHz							
Maximum number of manageable WCPs			50							
Charging Protocol			OCPP1.6J/OCPP2.0.1							
ISO15118			Optional(support ISO15118 EIM, Plug & Charge)							
RS485			2*RS485							
Config Tool			Web Portal over LAN or WiFi							
Debug Tool			SSH over LAN							
SAFETY & COMPLIANCE										
Ground Fault Detection			CCID20							
Ground Monitor			UL2231							
Surge Protection			6kV @3,000A							
Protection			UVP(UnderVoltage), OVP(OverVoltage), OCP(OverCurrent), OTP(OverTemp), Control Pilot Fault Protection, Relay-sticking protection, Ground Fault Protection							
Safety Compliance			UL 2594 / CSA C22.2 No. 280-16,UL 2231-1 / CSA C22.2 No. 281.1-12, UL 2231-2 / CSA C22.2 No. 281.2-12							
Certiffcation			ETL/FCC/EnergyStar							
ENVIRONMENTAL										
Operating Temperature			-30℃ ~ 55℃		-30℃ ~ 50℃		-30℃ ~ 55℃		-30℃ ~ 50℃	
Operating Humidity			5%~95% RH, Non-condensing							
Operating Altitude			≤2000m, No Derating							
IP/IK Level			IP65/IK08							

Models-UN1/2-WCP-N

Model No.	UN1-WCP-A48N		UN1-WCP-A80N	UN2-WCP-A48N		UN2-WCP-A80N
 						
ELECTRICAL SPECIFICATION						
Input Connector		Hardwired				
Voltage		208/240V, 180 to 264 VAC				
Amperage/Power Output		48A/11.5KW	80A/19.2KW	48A/11.5KW	80A/19.2KW	
Energy Metering Accuracy		±1%				
Mounting Option		Wall or Pedestal mount, Pedestal Optional				
CHARGING INTERFACE						
Charging Connector		NACS Plug				
Charging Cable Length		5m Standard, 7m Optional				
USER INTERACTION						
Display		Segmented display		4.3"color LCD, 800 x 480, Support OTA display UI		
LED Status Indicator		POWER/CHARGING/CONNECT/FAULT status indication				
Touch Button		Wake up the device from sleep				
Authentication		RFID: ISO14443 Type A&B				
COMMUNICATION						
Network Interface		LAN and WiFi/BT Standard(for web configuration)				
Wireless Self-organizing Network		Wi-SUN Mesh, IEEE 802.15.4g, Frequency: 902~928MHz				
Charging Protocol		OCPP1.6J/OCPP2.0.1				
ISO15118		Optional(support ISO15118 EIM, Plug & Charge)				
RS485		2*RS485(for Meter or Daisy chain networking)				
Config Tool		Web Portal over LAN or WiFi				
Debug Tool		SSH over LAN				
SAFETY & COMPLIANCE						
Ground Fault Detection		CCID20				
Ground Monitor		UL2231				
Surge Protection		6kV @3,000A				
Protection		UVP(UnderVoltage), OVP(OverVoltage), OCP(OverCurrent), OTP(OverTemp), Control Pilot Fault Protection, Relay-sticking protection, Ground Fault Protection				
Safety Compliance		UL 2594 / CSA C22.2 No. 280-16,UL 2231-1 / CSA C22.2 No. 281.1-12, UL 2231-2 / CSA C22.2 No. 281.2-12				
Certiffcation		ETL/FCC/EnergyStar				
ENVIRONMENTAL						
Operating Temperature		-30℃ ~ 55℃	-30℃ ~ 50℃	-30℃ ~ 55℃	-30℃ ~ 50℃	
Operating Humidity		5%~95% RH, Non-condensing				
Operating Altitude		≤2000m, No Derating				
IP/IK Level		IP65/IK08				

Wireless Self-Networking
Commercial AC Charger
Type 2 Level 2



7kW/11kW/22kW



Cable



Socket



Model Selection

Models-UE1/2-WLC

Model No.	UE1-WLC-A48		UE1-WLC-A80		UE2-WLC-A48		UE2-WLC-A80	
ELECTRICAL SPECIFICATION								
Input Connector	Direct connection, Hardwired Optional							
Voltage	230Vac±10%		400Vac±10%		230Vac±10%		400Vac±10%	
Amperage/Power Output	32A/7kW		16A/11kW		32A/22kW		32A/7kW	
Energy Metering Accuracy							±1%	
Mounting Option	Wall or Pedestal mount, Pedestal Optional							
CHARGING INTERFACE								
Charging Connector	IEC 62196-2 Compliant, Type 2 cable							
Charging Cable Length	5m Standard, 7m Optional							
USER INTERACTION								
Display	Segmented display				4.3"color LCD, 800 x 480, Support OTA display UI			
LED Status Indicator	POWER/CHARGING/CONNECT/FAULT status indication							
Touch Button	Wake up the device from sleep							
Authentication	RFID: ISO14443 Type A&B							
COMMUNICATION								
Network Interface	LAN and WiFi/BT Standard, 4G Optional							
Wireless Self-organizing Network	Wi-SUN Mesh, IEEE 802.15.4g, Frequency: 902~928MHz							
Maximum number of manageable WCPs	50							
Charging Protocol	OCPP1.6J/OCPP2.0.1							
ISO15118	Optional(support ISO15118 EIM, Plug & Charge)							
RS485	2*RS485							
Config Tool	Web Portal over LAN or WiFi							
Debug Tool	SSH over LAN							
SAFETY & COMPLIANCE								
RCD	TypeA+DC6mA							
Ground Residual Current Monitor	BS-7671							
O-PEN	BS-7671							
Surge Protection	4kV @2,000A							
Protection	UVP(UnderVoltage), OVP(OverVoltage), OCP(OverCurrent), OTP(OverTemp), Control Pilot Fault Protection, Relay-sticking protection, Ground Fault Protection							
Safety Compliance	IEC61851-1, IEC61851-21-2, EN 62311, EN 62479, IEC/EN 62955							
Certiffcation	SGS-CE/CB/UKCA							
ENVIRONMENTAL								
Operating Temperature	-30℃ ~ 55℃							
Operating Humidity	5%~95% RH, Non-condensing							
Operating Altitude	≤2000m, No Derating							
IP/IK Level	IP65/IK08							

Models-UE1/2-WCP

Model No.	UE1-WCP-A48		UE1-WCP-A80		UE2-WCP-A48		UE2-WCP-A80	
 								
ELECTRICAL SPECIFICATION								
Input Connector	Direct connection, Hardwired Optional							
Voltage	230Vac±10%		400Vac±10%		230Vac±10%		400Vac±10%	
Amperage/Power Output	32A/7kW		16A/11kW		32A/22kW		32A/7kW	
Energy Metering Accuracy							±1%	
Mounting Option	Wall or Pedestal mount, Pedestal Optional							
CHARGING INTERFACE								
Charging Connector	IEC 62196-2 Compliant, Type 2 cable							
Charging Cable Length	5m Standard, 7m Optional							
USER INTERACTION								
Display	Segmented display				4.3"color LCD, 800 x 480, Support OTA display UI			
LED Status Indicator	POWER/CHARGING/CONNECT/FAULT status indication							
Touch Button	Wake up the device from sleep							
Authentication	RFID: ISO14443 Type A&B							
COMMUNICATION								
Network Interface	LAN and WiFi/BT Standard(for web configuration)							
Wireless Self-organizing Network	Wi-SUN Mesh, IEEE 802.15.4g, Frequency: 902~928MHz							
Charging Protocol	OCPP1.6J/OCPP2.0.1							
ISO15118	Optional(support ISO15118 EIM, Plug & Charge)							
RS485	2*RS485(for Meter or Daisy chain networking)							
Config Tool	Web Portal over LAN or WiFi							
Debug Tool	SSH over LAN							
SAFETY & COMPLIANCE								
RCD	TypeA+DC6mA							
Ground Residual Current Monitor	BS-7671							
O-PEN	BS-7671							
Surge Protection	4kV @2,000A							
Protection	UVP(UnderVoltage), OVP(OverVoltage), OCP(OverCurrent), OTP(OverTemp), Control Pilot Fault Protection, Relay-sticking protection, Ground Fault Protection							
Safety Compliance	IEC61851-1, IEC61851-21-2, EN 62311, EN 62479, IEC/EN 62955							
Certiffcation	SGS-CE/CB/UKCA							
ENVIRONMENTAL								
Operating Temperature	-30℃ ~ 55℃							
Operating Humidity	5%~95% RH, Non-condensing							
Operating Altitude	≤2000m, No Derating							
IP/IK Level	IP65/IK08							

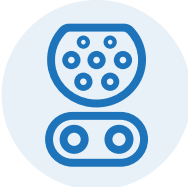
Models-UES1/2-WLC

Model No.	UES1-WLC-A48		UES1-WLC-A80		UES2-WLC-A48		UES2-WLC-A80		
 									
ELECTRICAL SPECIFICATION									
Input Connector			Direct connection, Hardwired Optional						
Voltage		230Vac±10%		400Vac±10%		230Vac±10%		400Vac±10%	
Amperage/Power Output		32A/7kW		16A/11kW		32A/22kW		32A/7kW	
Energy Metering Accuracy		32A/11kW		32A/22kW		32A/7kW		16A/11kW	
Energy Metering Accuracy		32A/22kW		32A/7kW		16A/11kW		32A/22kW	
Energy Metering Accuracy		±1%							
Mounting Option			Wall or Pedestal mount, Pedestal Optional						
CHARGING INTERFACE									
Charging Connector			IEC 62196-2 Compliant, Type 2 socket						
USER INTERACTION									
Display		Segmented display				4.3"color LCD, 800 x 480, Support OTA display UI			
LED Status Indicator		POWER/CHARGING/CONNECT/FAULT status indication							
Touch Button		Wake up the device from sleep							
Authentication		RFID: ISO14443 Type A&B							
COMMUNICATION									
Network Interface			LAN and WiFi/BT Standard, 4G Optional						
Wireless Self-organizing Network			Wi-SUN Mesh, IEEE 802.15.4g, Frequency: 902~928MHz						
Maximum number of manageable WCPs			50						
Charging Protocol			OCPP1.6J/OCPP2.0.1						
RS485			2*RS485						
Config Tool			Web Portal over LAN or WiFi						
Debug Tool			SSH over LAN						
SAFETY & COMPLIANCE									
RCD			TypeA+DC6mA						
Ground Residual Current Monitor			BS-7671						
O-PEN			BS-7671						
Surge Protection			4kV @2,000A						
Protection			UVP(UnderVoltage), OVP(OverVoltage), OCP(OverCurrent), OTP(OverTemp), Control Pilot Fault Protection, Relay-sticking protection, Ground Fault Protection						
Safety Compliance			IEC61851-1, IEC61851-21-2, EN 62311, EN 62479, IEC/EN 62955						
Certiffcation			SGS-CE/CB/UKCA						
ENVIRONMENTAL									
Operating Temperature			-30℃ ~ 55℃						
Operating Humidity			5%~95% RH, Non-condensing						
Operating Altitude			≤2000m, No Derating						
IP/IK Level			IP54/IK08						

Models-UES1/2-WCP

Model No.	UES1-WCP-A48		UES1-WCP-A80		UES2-WCP-A48		UES2-WCP-A80	
 								
ELECTRICAL SPECIFICATION								
Input Connector			Direct connection, Hardwired Optional					
Voltage		230Vac±10%	400Vac±10%		230Vac±10%		400Vac±10%	
Amperage/Power Output		32A/7kW	16A/11kW	32A/22kW	32A/7kW	16A/11kW	32A/22kW	
Energy Metering Accuracy				±1%				
Mounting Option			Wall or Pedestal mount, Pedestal Optional					
CHARGING INTERFACE								
Charging Connector			IEC 62196-2 Compliant, Type 2 socket					
USER INTERACTION								
Display		Segmented display			4.3"color LCD, 800 x 480, Support OTA display UI			
LED Status Indicator			POWER/CHARGING/CONNECT/FAULT status indication					
Touch Button			Wake up the device from sleep					
Authentication			RFID: ISO14443 Type A&B					
COMMUNICATION								
Network Interface			LAN and WiFi/BT Standard(for web configuration)					
Wireless Self-organizing Network			Wi-SUN Mesh, IEEE 802.15.4g, Frequency: 902~928MHz					
Charging Protocol			OCPP1.6J/OCPP2.0.1					
RS485			2*RS485(for Meter or Daisy chain networking)					
Config Tool			Web Portal over LAN or WiFi					
Debug Tool			SSH over LAN					
SAFETY & COMPLIANCE								
RCD			TypeA+DC6mA					
Ground Residual Current Monitor			BS-7671					
O-PEN			BS-7671					
Surge Protection			4kV @2,000A					
Protection			UVP(UnderVoltage), OVP(OverVoltage), OCP(OverCurrent), OTP(OverTemp), Control Pilot Fault Protection, Relay-sticking protection, Ground Fault Protection					
Safety Compliance			IEC61851-1, IEC61851-21-2, EN 62311, EN 62479, IEC/EN 62955					
Certiffcation			SGS-CE/CB/UKCA					
ENVIRONMENTAL								
Operating Temperature			-30℃ ~ 55℃					
Operating Humidity			5%~95% RH, Non-condensing					
Operating Altitude			≤2000m, No Derating					
IP/IK Level			IP54/IK08					

DC Charger



CCS2 Plug



Product Overview

Our DC Charger, equipped with a CCS2 connector, delivers rapid and reliable EV charging, ensuring compatibility with a wide range of electric vehicles. Its high-power output significantly reduces charging time, making it ideal for both commercial and public charging stations.

Product Advantages

-  **User-Friendly**
sleek extra-large glass panel for modern aesthetics and easy operation.
-  **Durable**
adapt to harsh environments with minimal failures
-  **Efficient Charging**
stable and fast charging performance in commercial settings
-  **Versatile**
ultra-wide voltage output range of 200-1000V

20kW-40kW
DC Charger

Mode 4

Product Specifications



Input	
Power Supply	3P+N+PE
Rated Voltage	400V AC
Frequency	50/60Hz
Output	
Output Voltage	200~750V DC
Maximum Curent	50A
Rated Power	20kW
User Interface	
Charge Connector	CCS2 cable
Cable Length	5m
Enclosure	Galvanized steel
LED Indicator	Green/Yellow/Red
LCD Display	4.3inch
RFID Reader	Mifare ISO/EC 14443 A
Start Mode	Plug&Charger/RFID card
Emergency Stop	Optional
Safety	
Energy Meter	MID certified
RCD	Type A
Ingress Protection	IP54
Impact Protection	IK08
Electrical Protection	Over current protection, Short circuit protection, Ground protection, Surge protection, Over/Under voltage protection, Over/Under frequency protection, Over/Under temperature protection
Certification	CE
Certification Standard	EN/EC 61851-1: 2017,EN/EC 61851-23: 2014
Warranty	2 years
Environment	
Installation	Wall-mount
Cooling Method	Fan cooling
Noise	<60dB
Work Temperature	-30 C ~+50 C
Work Humidity	5%~95%
Work Altitude	<2000m
Pakeage	
Product Dimension	600*410*156mm(H*W*D)
Package Dimension	815*525*390mm(L*W*H)
Net Weight	38kg
Gross Weight	41kg
Extetal Package	Carton

120kW-320kW
DC Charger

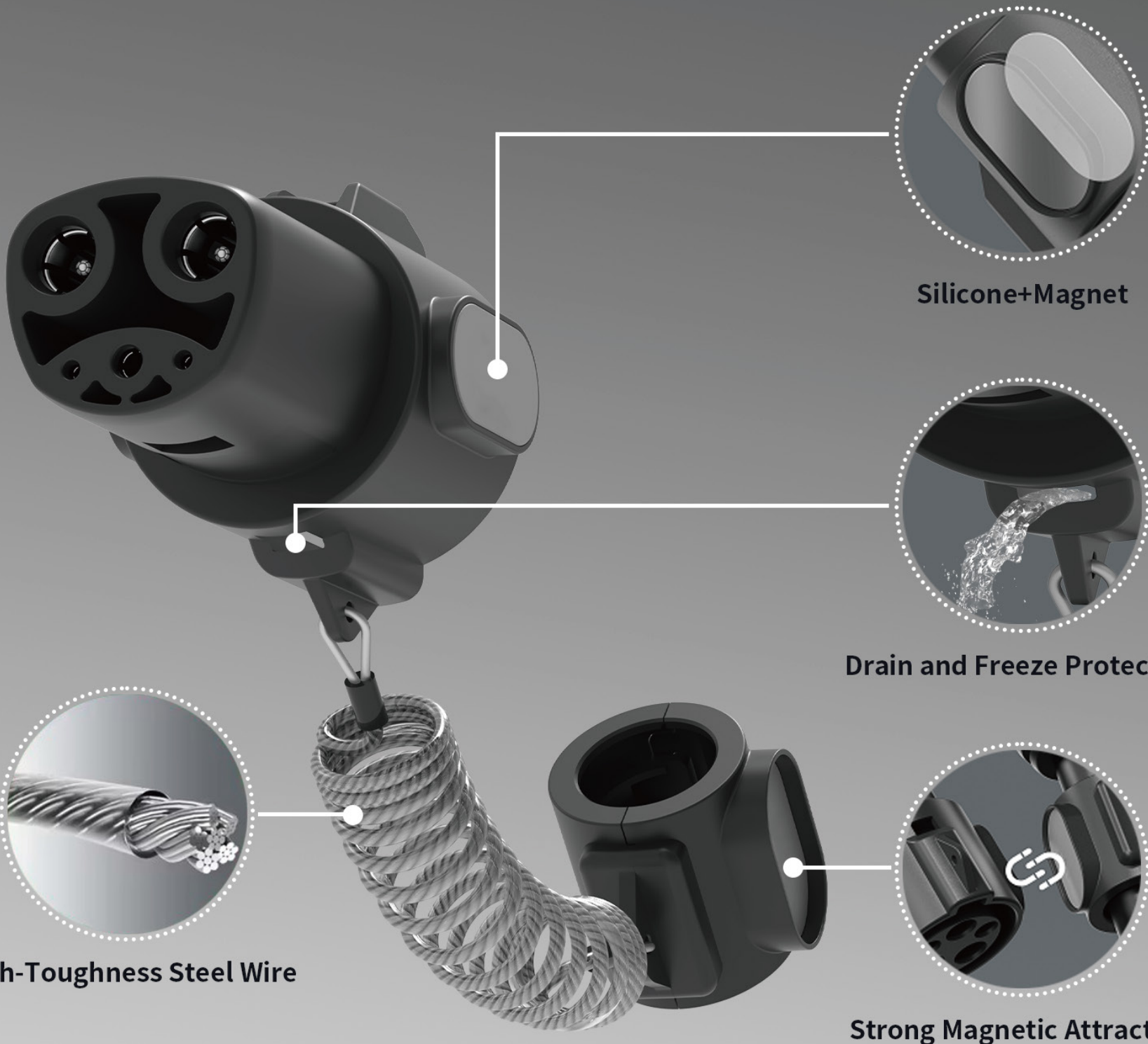
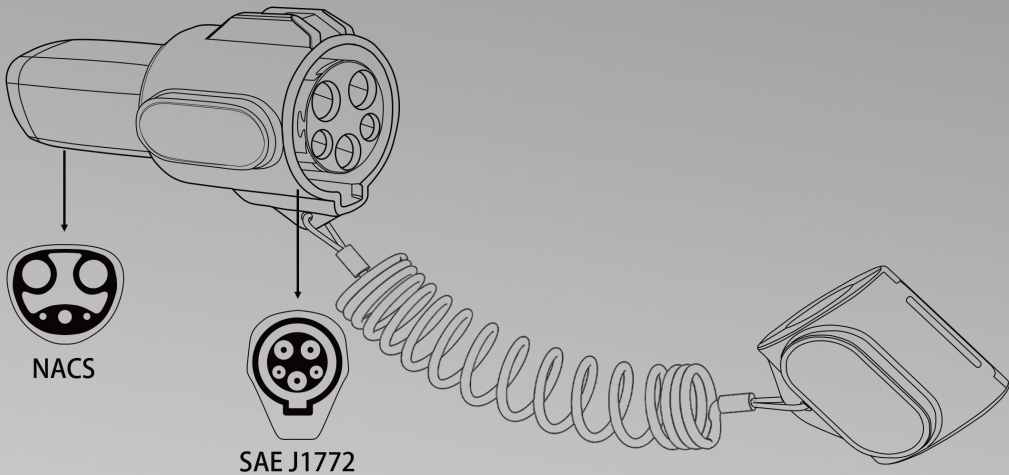
Mode 4

Product Specifications



Input	
Power Supply	3P+N+PE
Rated Voltage	400V AC
Frequency	50/60Hz
Output	
Output Voltage	200~1000V DC
Maximum Curent	250A
Rated Power	120kW/160kW240kW/320kW
User Interface	
Charge Connector	CCS2 cable
Cable Length	5m
Enclosure	Galvanized steel
LED Indicator	Green/Yellow/Red
LCD Display	7" color touch screen
RFID Reader	Mifare ISO/EC 14443 A
Start Mode	Plug&Charger/RFID card
Emergency Stop	Optional
POS Terminal	Optional
Communication	
WiFi	Optional
Ethernet	Optional
3G/4G	Optional
OCPP	OCPP 1.6 Json
Electrical Parameter	
Efficiency	MAX 95%
Power Factor	≥99@50%~100%loading
THD	≤5% @ 100% loading
Ripple Factor	≤±1%
Safety	
Energy Meter	MID certified
RCD	Type A
Ingress Protection	IP54
Impact Protection	IK08
Electrical Protection	Over current protection, Short circuit protection, Ground protection, Surge protection, Over/Under voltage protection, Over/Under frequency protection, Over/Under temperature protection
Certification	CE
Certification Standard	EN/EC 61851-1: 2017,EN/EC 61851-23: 2014
Warranty	2 years
Environment	
Installation	Floor-stand
Cooling Method	Fan cooling
Noise	<60dB
Work Temperature	-30 C ~+50 C
Work Humidity	5%~95%
Work Altitude	<2000m
Pakeage	
Product Dimension	750*450*1700mm(H*W*D)750*530*1700mm(H*W*D)
Package Dimension	1020*670*1900mm(L*W*H)
Net Weight	220kg/250kg
Gross Weight	260kg/290kg
Extetal Package	Wood case

SAE J1772 to NACS Adapter



Product Overview

The innovative SAE J1772 Type 1 to NACS adapter features a high-toughness steel wire and strong magnetic attraction for easy access and efficient plug-and-play functionality. Its innovative silicone and magnet design enhances durability and user convenience, ensuring a reliable connection every time.

Product highlight



Durable

Constructed from high-toughness steel wire for long-lasting performance.



User-Friendly

Designed for quick access and efficient plug-and-play functionality.



Protective

Designed to minimize the risk of loss and theft.

Specifications

Models	J1772-NACS/MF/ADAPTER
Input Voltage	MAX. 240V AC
Input Frequency	50/60Hz
Power Output	80A MAX.
Applicable Charger	SAE J1772 Type 1 Plug
Certification	ETL
Temperature Rating	-30℃ ~ 50℃ (-22°F to 122°F)
IP Level	IP54
Protection Level	Type 3R
Housing Material	Polycarbonate
Pin Material	Copper Pins
Connection Material	Steel Wire
Net Weight	249.6g
Total Weight	346.6g
Package Dimensions	135W*95D*123H(mm)
Screw Torque Value Range	6.5-7.5 kgf.cm

Installation instructions

1. Ensure the arrow on the clamp points towards the connector tip.



2. Using the provided hex wrench, attach the clamp to the charging cable, ideally positioned 10-15 cm from the connector tip.



3. The clamp is designed to match cables with a diameter of 24mm. If the clamp cannot be securely fixed to a thinner cable, choose the appropriate silicone strip from the three included in the box and wrap it around the cable before installing the clamp.

