UER1 AC Charger Series

Mode 3
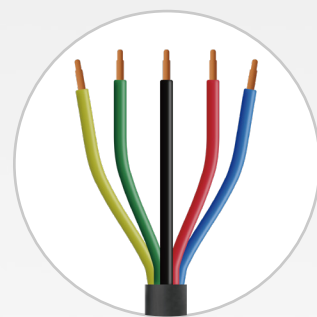
Type 2 cable

3

Warranty 3 Years

7kW / 22kW

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Product Overview

The UER1 Series residential charging station is compatible with Type 2 connectors and features the O-PEN protection and multiple safety protections. Its integrated app and management platform enables comprehensive and efficient management, from installation to real-time remote monitoring and maintenance.

Highlights

Powerful
Up to 22kW for fast, efficient charging

Smart
Smart APP via WIFI or Bluetooth, easily control

Safe
Built-in PEN fault protection, Type A + DC6mA, and multiple safety features

Durability
IP66/IK10, for any indoor or outdoor location

Reliable
IEC 62196-2 compliant and SGS-CE certified

Expandability
Supports RS485 for dynamic load balancing and future upgrades

Product Series Comparison

UER1

OCPP:
OCPP 1.6J

Connector:
Type 2

COMMUNICATION:
WIFI/Bluetooth

Dynamic Load Balancing:
Not supported

UER1-Pro

OCPP:
OCPP 1.6J

Connector:
Type 2

COMMUNICATION:
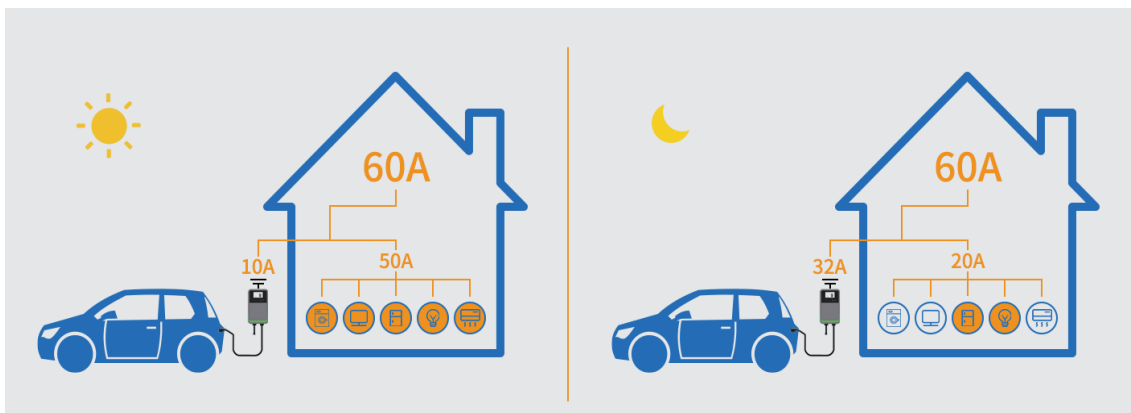WIFI/Bluetooth/RS485/LAN
Optional

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.

CT-Clamp

CT-BOX

60A   60A

10A   50A   32A   20A
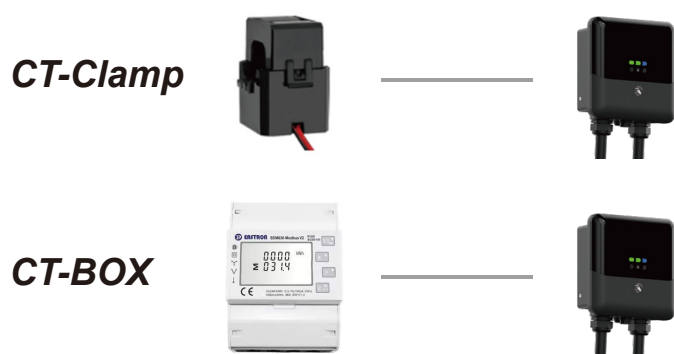
Model Selection

UER1

Model No.	UER1	
	UER1-P7	**UER1-P22**
ELECTRICAL SPECIFICATION		
Input Connector	Hardwired	
Voltage	230Vac±10%	400Vac±10%
Amperage/Power Output	32A/7KW	32A/22KW
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		
LED Status Indicator	CHARGING/CONNECT/FAULT status indication	
Resetting key	Reset or restore factory Settings	
Authentication	RFID: ISO14443 Type A&B	
Remote control	U-Charger APP	
COMMUNICATION		
Network Interface	WiFi/BT Standard	
Charging Protocol	OCPP1.6J	
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	
ENVIRONMENTAL		
Operating Temperature	-30℃ ~ 55℃	
Operating Humidity	5%~95% RH, Non-condensing	
Operating Altitude	≤2000m, No Derating	
IP/IK Level	IP66/IK10	
SPECIFICATION		
Net Weight	6.5KG	7.4KG
Gross Weight	9.9KG	10.8KG
Product Dimensions	220W*220D*101.5H(mm)	
Package Dimensions	400W*390D*275H(mm)	

Model Selection

UER1-Pro

Model No.	UER1Pro	
	UER1Pro-P7	**UER1Pro-P22**
ELECTRICAL SPECIFICATION		
Input Connector	Hardwired	
Voltage	230Vac±10%	400Vac±10%
Amperage/Power Output	32A/7KW	32A/22KW
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		
LED Status indicater	CHARGING/CONNECT/FAULT status indication	
Resetting key	Reset or restore factory Settings	
Authentication	RFID: ISO14443 Type A&B	
Remote control	U-Charger APP	
COMMUNICATION		
Network interface	WiFi/BT Standard,LAN Optional	
Charging Protocol	OCPP1.6J	
RS485	1*RS485,CT-CLAMP Optional,CT-BOX Optional	
Config Toel	Web Portal over WiFi	
Debug Tool	Wireless debug over BT	
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	
ENVIRONMENTAL		
Operating Temoerature	-30℃ ~ 55℃	
Operating Humidity	5%~95% RH, Non-condensing	
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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.
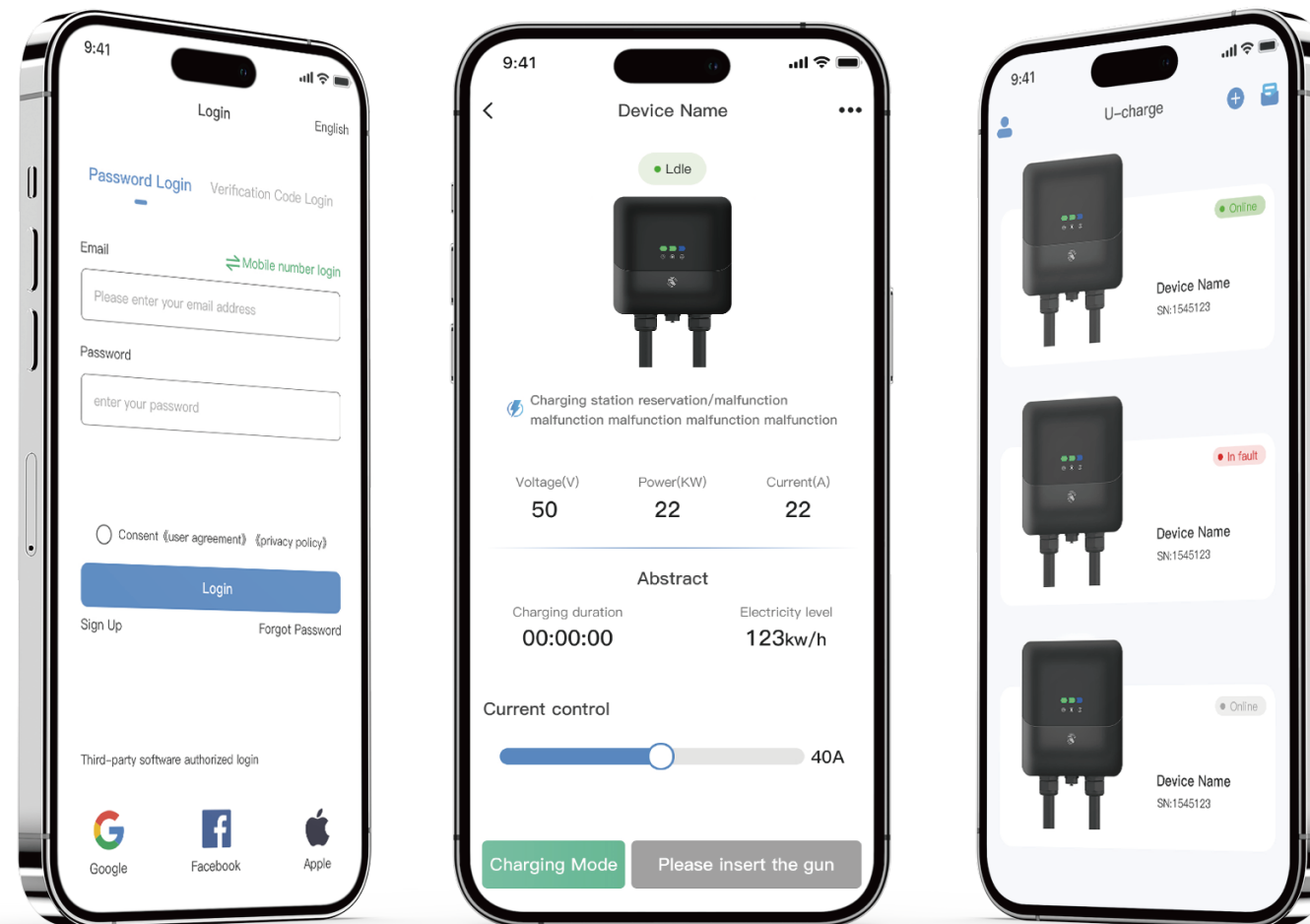
Charging Data and Fault Analysis

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.
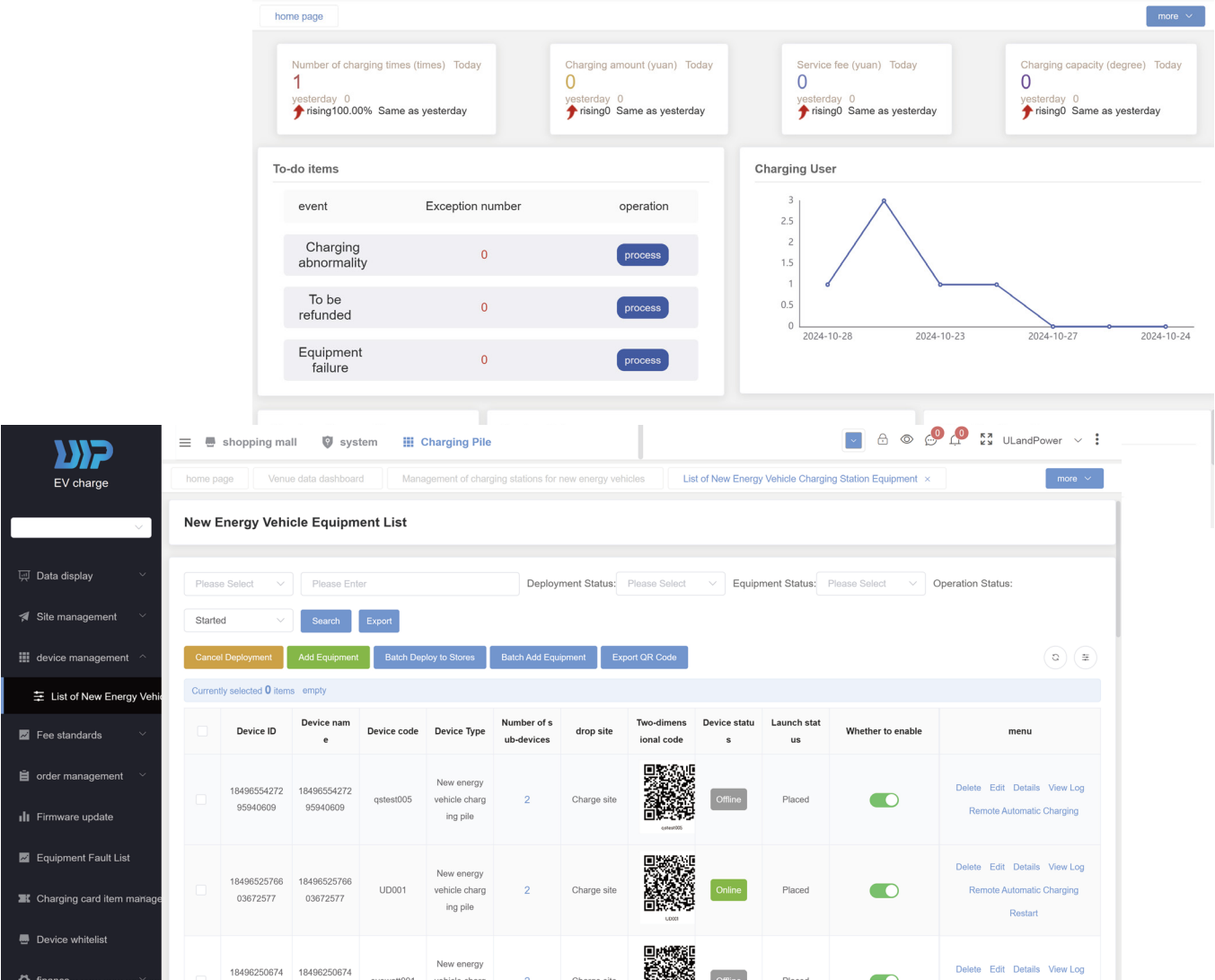
Global Access

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.