

UR3 Series

Home AC EV Charger



FUZHOU ULANDPOWER TECHNOLOGY CO., LTD.
OEM/ODM & Private Label Available



HIGHLIGHTS

Product Overview

UR3 is a Level 2 home EV charger with a new, clean-lined exterior designed as a flexible foundation for customer-brand products. With the optional EnerSync Power Monitor, it can adjust EV charging around real-time household demand and prioritize available solar power.

COMPATIBLE

Supports both SAE J1772 Type 1 and NACS (SAE J3400) EVs

FLEXIBLE

NEMA plug-in or Hardwired installation to suit any need

POWERFUL

Up to 48A for fast charging

BRAND-READY

A simplified front design supports easier logo application, brand-color matching, and finish customization.

RELIABLE

ETL Listed to UL standards and FCC certified; Energy Star certified for rebate eligibility

DURABILITY

IP66/IK08, for any indoor or outdoor location

SMART

Smart App via Wi-Fi or Bluetooth for easy control





MODEL SELECTION

Model No.		UR3J	UR3N
CHARGING INTERFACE	Vehicle Connector	SAE J1772 (Type 1)	SAE J3400 (NACS)
	Charging Cable Length	25 ft (7.6 m)	
ELECTRICAL SPECIFICATIONS	Input Connection	NEMA 14-50 for 40A; Hardwired for 48A	
	Rated Input Voltage	208/240 V AC, 50/60 Hz	
	Maximum Output Power	9.6 kW for 40A; 11.5 kW for 48A	
	Energy Metering Accuracy	±1%	
	Mounting Options	Wall mount; optional pedestal	
USER INTERACTION	LED Status Indicator	POWER/CHARGING/CONNECTED/FAULT status indication	
	Reset button	Reset or restore factory settings	
	RFID	ISO/IEC 14443 Type A/B	
	Remote Control	U-FLOW app	
COMMUNICATION	Wireless Connectivity	2.4 GHz Wi-Fi (IEEE 802.11 b/g/n); Bluetooth 5.1	
	RS-485	Optional*	
	LAN	Optional*	
ENERGY MANAGEMENT	HEMS	Optional* Works with the EnerSync Monitor to deliver home load management, solar (PV) charging management, and multi-charger power sharing.	
SAFETY AND COMPLIANCE	Ground Fault Detection	CCID 20	
	Surge Protection	6 kV / 3 kA	
	Protection Features	UVP, OVP, OCP, OTP, 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	
	Certifications and Compliance	ETL/FCC/ENERGY STAR	
ENVIRONMENTAL SPECIFICATIONS	Operating Temperature	-22°F to 131°F (-30°C to 55°C)	
	Operating Humidity	5%–95% RH, non-condensing	
	Operating Altitude	Up to 6,562 ft (2,000 m), no derating	
	IP/IK Level	IP66/IK08	
PHYSICAL SPECIFICATIONS	Net Weight	40A: 14.1 lb (6.4 kg) 48A: 15.0 lb (6.8 kg)	40A: 12.6 lb (5.7 kg); 48A: 13.0 lb (5.9 kg);
	Shipping Weight	40A: 18.5 lb (8.4 kg) 48A: 19.2 lb (8.7 kg)	40A: 16.8 lb (7.6 kg); 48A: 17.4 lb (7.9 kg);
	Product Dimensions (W × D × H)	8.66 × 8.66 × 4.00 in (220 × 220 × 101.5 mm)	
	Package Dimensions (W × D × H)	15.55 × 14.76 × 11.61 in (395 × 375 × 295 mm)	

*Requires the EnerSync Power Monitor (sold separately). See page 4

GENERAL SPECIFICATIONS- ENERSYNC MONITOR

UR3 pairs with the optional EnerSync Power Monitor to unlock four core functions of the EnerSync Solution:

Intelligent Load Management

Continuously monitors your home's electricity usage and adjusts EV charging in real time, preventing overloads without a panel upgrade.

PV-Powered Charging

Prioritizes solar power for EV charging in Pure or Hybrid Mode, lowering your charging costs.

Dynamic Charging Pool

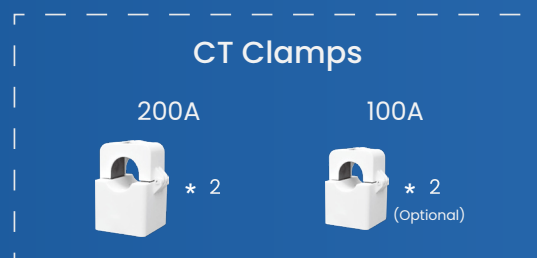
Intelligently coordinates power across multiple chargers, so several EVs can charge at home simultaneously with no rewiring.

Cloud-Free Operation

Runs on local edge computing for instant, reliable power management, with or without an internet connection.



Product Model	EPM01
Input Voltage	100-264 VAC
Measurement Accuracy	± 1%
Frequency	50-60 Hz
Maximum Value of Voltage Measurement	264 V AC L–N per channel
Voltage Measurement Channels	3
Current Measurement Channels	200A: 2 Optional 100A: 2
Power Usage	< 3 W
Wi-Fi	2.4 GHz IEEE 802.11b/g/n
Ethernet	10/100Base-T, IEEE 802.3
Installation Location	Indoor Only
Operating Conditions	-22° to 140° F (-30° to 60° C) 0 to 95% RH Up to 2,000 meters
Safety Standard	UL 61010
Certifications	FCC, ETL, CE, CB
Measurement Category	200A CT Ports: Measurement Category IV 100A CT Ports: Measurement Category III
CT Wire Length	1 m
CT Inside Diameter	200A CT: 22 mm 100A CT: 15 mm
Power supply voltage fluctuation	100-264 VAC
Overvoltage category	III
Pollution Degree	II



SMART APP(U-FLOW)

U-FLOW gives you full control of your charger, from remote start/stop to Time-of-Use cost optimization and real-time performance monitoring.

- **Remote Charging Control**

Starts, stops, and adjusts charging current from anywhere via the app.

- **Time-of-Use Cost Optimization**

Automatically schedules charging around off-peak electricity rates to minimize costs, and gives you a full charging history at a glance.

- **Real-Time Monitoring & Fault Alerts**

Continuously monitors equipment performance and sends instant alerts, helping you quickly identify and resolve issues.

- **EnerSync Smart Power Management**

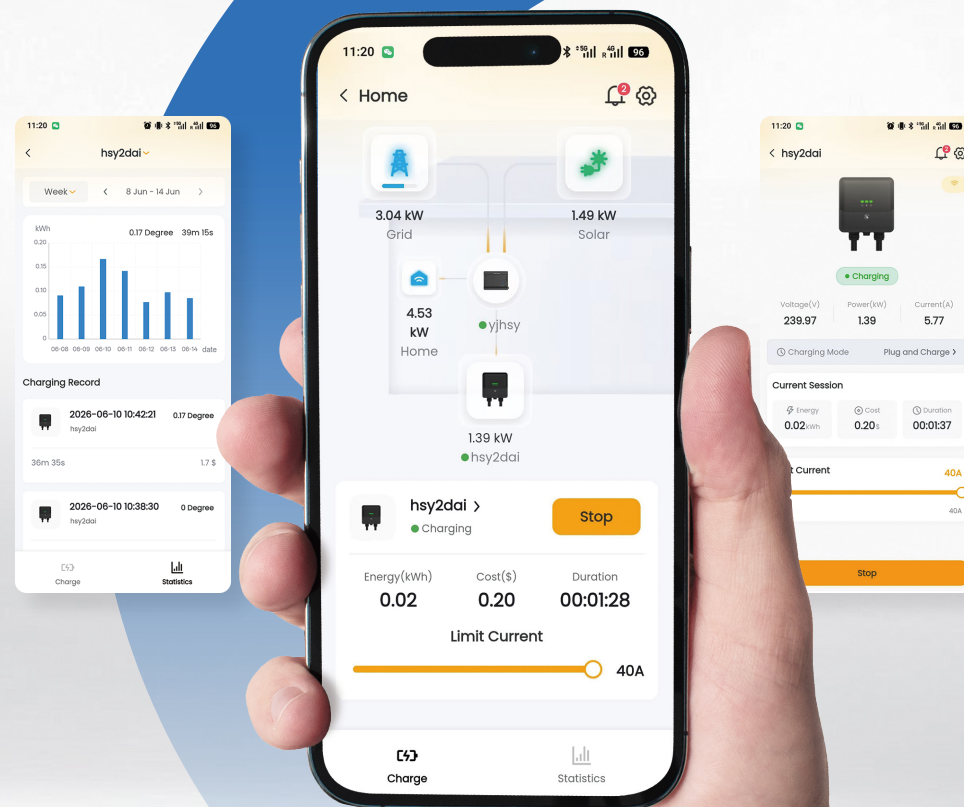
Pairs with the optional EnerSync Power Monitor to prevent overloads, share power across multiple chargers, and prioritize solar charging — all from the same app.

- **Family Sharing**

Allows other household members to share and control the charger from their own U-Flow app.

- **Smart & Up-to-Date**

Stays current with automatic firmware updates and offers an intuitive, customizable interface tailored to your needs.



U-ENERGY PLATFORM

Built on a secure SaaS model, the U-Energy Platform gives businesses cloud-based management and real-time monitoring across their entire charging network — with data isolation to keep their information private, and remote diagnostics to reduce maintenance costs and repair time.

• Data Isolation

Isolates each business's data within a multi-tenant environment, keeping every account completely private.

• Smart Dashboard

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

• Private Deployment

Deployable on a business's own private servers, giving full control over data and infrastructure for specific security or compliance needs.

• Global Access

Web-based backend accessible from any browser, anywhere in the world — no on-site software installation required.

• Remote Management

Configures and manages charging stations remotely through the web-based backend, eliminating unnecessary site visits.

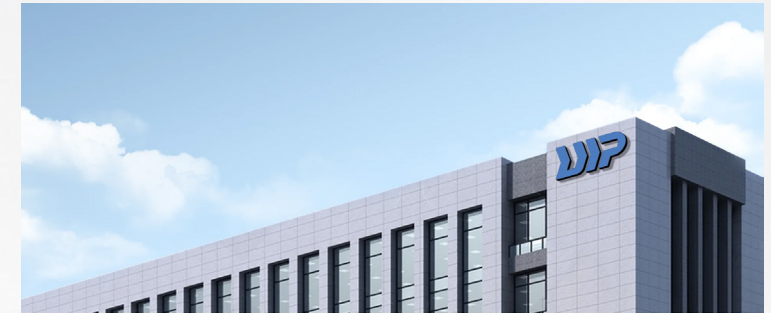
• Data Analysis

Tracks usage trends and performance across the entire charging network, supporting data-driven business decisions.



Founded in 2022, UlandPower is a global EV charging solutions provider driven by independent R&D.

Backed by traceable manufacturing and a resilient global supply chain, we deliver reliable charging solutions at scale to partners worldwide.



Independent R&D

Product definition, software development, and testing are all completed in-house, with no dependency on outside vendors — keeping every project on schedule, even as requirements change.



Traceable Manufacturing

A digital production management platform converts every process standard, production step, and inspection result into traceable data — so key materials, test results, firmware versions, and production dates can all be looked up by serial number.



Global Delivery & Resilience

Manufacturing spans domestic and overseas facilities, with an annual capacity of more than 200,000 units and flexible production capabilities that adapt to tariffs, exchange rates, and shifting market conditions, ensuring consistent and reliable delivery.



OEM/ODM Programs

Full white-label and OEM/ODM support — from custom branding and packaging to structural, electrical, and firmware customization — lets distributors and brand owners bring a fully tailored product to market under their own name.

Ready to bring UR3 to your market? Contact UlandPower to discuss OEM/ODM programs, distribution, or bulk orders.

