

22kw portable electric vehicle charger

RUIHUA **portable electric vehicle charger**, making charging safer and more reliable anytime, anywhere. Certified with ISO9001 and IEC standards. Supports GB/T, Type 2 (IEC 62196), and other electric vehicle charging interfaces, compatible with electric vehicle models from different countries and brands.

This portable electric vehicle charger is equipped with overheat protection mechanisms and meets IP54 protection standards, providing effective dust and water resistance. It is a safe and efficient charging solution for electric vehicles. Users will be fully protected, avoiding the risks of fire, electric shock, or even hand burns caused by overheating of the charger.



22kw portable electric vehicle charger

Category	Item	Specification
Basic Info	Model	RHAC22K-F1-EU
Input	Power Supply	3P+N+PE
	Rated Voltage	400VAC
	Rated Current	3×32A
	Frequency	50/60Hz

Category	Item	Specification
Output	Output Voltage	400VAC
	Maximum Current	3×32A
	Rated Power	22kW
User Interface	Cable Length	5 meters
	LED Indicator Colors	Green / Blue / Red
	Display	4.3-inch LCD
	RFID Reader	Mifare ISO / IEC 14443A
	Starting Methods	Plug & Play / RFID Card / App
	Emergency Stop	Yes
Network Connection	LAN	Yes
	4G	Optional
	Wi-Fi	Yes
	Bluetooth	Yes
	Communication Protocol	OCPP 1.6
Safety Features	Energy Meter	Yes
	RCD	Type A + 6mA DC
	Ingress Protection	IP54
	Impact Protection	IK10
	Electrical Protections	Overcurrent, Residual Current, Surge, Over/Undervoltage, Over/Underfrequency, Overtemperature
Certification	Mark	CE
	Standards	EN IEC 61851-1:2019, IEC 61851-1:2017, EN 61851-21-2:2018
Packaging	Connector Type	Type 2 Charging Gun
	Product Dimensions (H×W×D)	1200×280×200 mm
	Package Dimensions (6 pcs)	950×1010×1430 mm
	Number of Guns	Single Gun
	Net Weight	26.8 kg

Category	Item	Specification
	Packaging Type	Wooden Case

High-Power AC Charging for Commercial & Residential Use

The RHAC22K-F1-US 22kW portable electric vehicle charging station is designed for commercial applications and high performance residential electric vehicle charging. With an output of 22kW, it is compatible with SAE J1772 connectors and supports 240VAC single-phase input, ensuring seamless integration with all major European and American electric vehicle models while complying with regional electrical frameworks.

It delivers fast charging speeds that are ideal for fleet operations, corporate facilities and luxury residences, optimizing efficiency and reducing downtime for business users. Charges reliably around the clock and includes intelligent power management for scalable multi-vehicle deployments. Certified to FCC and UL safety standards and meets stringent U.S. electromagnetic compatibility (EMC) and regulatory requirements.

Smart EV Charger with RFID, LCD & App Control

The RHAC22K-F1-EU features an intuitive 4.3-inch LCD touchscreen with color-coded LED status indicators, delivering real-time charging data and seamless user interaction¹. Its plug-and-play design simplifies installation while offering multiple activation methods—RFID card access for secure authentication or mobile app control for remote management¹.

Key Features:

- **Multi-Access Charging:** Start sessions via RFID cards, smartphone app, or direct screen interaction.
- **Visual Guidance:** High-resolution LCD displays power metrics, while dynamic LED lights show charging status (blue=standby, green=active, red=fault).
- **Enterprise-Ready:** Supports user authentication and session tracking for commercial fleet operators.

Designed for both residential and commercial use, this system merges industrial-grade reliability with consumer-friendly accessibility.

Enterprise-Grade EV Charging Management with OCPP 1.6

The RHAC22K-F1-US brings carrier-grade reliability to your EV charging operations. With full OCPP 1.6 protocol support, it plugs right into your existing management systems without missing a beat. Stay always connected through multiple pathways - wired LAN, Wi-Fi, Bluetooth, or optional 4G cellular - so you never lose control of your revenue-generating stations.

Take charge of your entire network from any OCPP-compatible dashboard: monitor real-time usage, implement dynamic pricing, and optimize fleet charging schedules with a few clicks. Our smart load balancing acts like an automatic traffic cop during rush hours, preventing grid overload while keeping your chargers humming. This isn't just connectivity - it's your ticket to transforming standalone chargers into a money-making smart grid that grows with your business.

Full Safety Protection for Demanding Environments

Engineered with safety and durability in mind, the RHAC22K-F1-EU is ideal for outdoor commercial installations. It features an IP54 rating for dust and water resistance, and IK10-grade impact protection for harsh environments.

The charger is equipped with a full range of electrical protections, including overcurrent, over/under voltage, over/under frequency, surge, and overtemperature protection. Integrated RCD Type A + 6mA DC ensures compliance with international EV safety standards, giving operators and users complete peace of mind.