

UN1 AC Series



Type 1 Plug



NACS Plug



Warranty 3 Years



32A/40A/48A/80A



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Product Overview

The UN1 Series commercial charging stations are equipped with dynamic load balancing to optimize charging efficiency. They not only feature an SAE J1772 plug and an optional NACS interface, but also offer advanced cyber security measures and multiple layers of safety protection, it is the ideal choice for operators.

Highlights

SEAMLESS CONNECTIVITY

Equipped with Wi-Fi and LAN connectivity (4G optional).



ADVANCED DESIGN

Innovative retractable drawer structure for effortless installation and maintenance saving both time and costs.



SMARTER DIGITAL DISPLAY

Real-time visibility of power, charging time, and energy delivered provides an enhanced, interactive user experience.



HIGH RELIABILITY

Comprehensive safety features with IP65 & IK08 ratings, ensuring durability in both indoor and outdoor environments.



HIGH FLEXIBILITY

Compatible with both SAE J1772 Type 1 and NACS connectors, offering versatile charging options.



OCPP-COMPLIANT

Optional OCPP 1.6J and OCPP 2.0.1 enabling advanced communication and smart charging solutions.

Model Selection



Model No.	UN1			
	UN1-A32	UN1-A40	UN1-A48	UN1-A80
ELECTRICAL SPECIFICATION				
Input Connector	Default cable *1m, Hardwired Optional			
Voltage	208/240V, 180 to 264 VAC			
Amperage/Power Output	32A/7.6KW	40A/9.6KW	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, NACS Optional			
Charging Cable Length	18ft Standard, 25ft Optional			
USER INTERACTION				
Display	Segmented display			
LED Status Indicator	POWER/CHARGING/CONNECT/FAULT status indication			
Touch Button	Wake up the device from sleep			
RFID	ISO14443 Type A&B			
COMMUNICATION				
Network Interface	LAN and WiFi/BT Standard, 4G Optional			
Charging Protocol	OCPP1.6J/OCPP2.0.1			
ISO15118	Optional			
Extend	RS485*1 Standard,RS485*2 Optional			
Config Tool	Web Portal over LAN or WiFi			
SAFETY & COMPLIANCE				
Ground Fault Detection	CCID20			
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			
Certification	ETL/FCC/EnergyStar			
ENVIRONMENTAL				
Operating Temperature	-22°F to 131°F (-30°C to 55°C)			-22°F to 122°F (-30°C to 50°C)
Operating Humidity	5%~95% RH, Non-condensing			
Operating Altitude	≤2000m, No Derating			
Enclosure Rating	Type 3			
SPECIFICATION				
Net Weight	5.2kg		6.5kg	8.9kg
Gross Weight	6.9kg		8.5kg	10.1kg
Product Dimensions	341W*200D*111H(mm)			
Package Dimensions	438W*373D*315H(mm)			