



EU EV Charger

Mode 3

Mode 4



Product Overview

The EU EV AC Charger provides reliable, user-friendly charging for both residential and commercial use. With built-in PEN fault protection, Type A+DC 6mA, and multiple safety features, it ensures secure, efficient, and customizable charging solutions.

Product Advantages

Efficient Charging

Stable and fast charging performance in commercial settings.

Reliability

Build-in PEN fault protection, TypeA+DC6mA, and multiple safety protections.

Advanced Design

Retractable structure for easy installation.

User-Friendly

Multiple charging start methods: Plug&Play, RFID Card, APP.

Core Advantages

Broad range of connectivity options



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

Multiple Charging Start Methods



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

All-in-One Charging Solution



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

Dynamic Load Balancing Solutions



The optional CT-Clamp and CT-BOX integrate easily to dynamically adjust current balancing load and preventing overload.



High Compatibility Charging Protocol

Achieved OCPP1.6J & OCPP2.0.1, inspected by leading European/American CPO for protocol compatibility.



Smart Power Management

This design cut electricity bills, and lower energy expenses by 60%.



Comprehensive Safety Protections

Includes built-in features like over-voltage, over-current, and short-circuit protection for secure operation.



Leading ISO15118 Application

First in the industry to achieve ISO15118 compliance and TÜV certification for AC chargers.



Leading Cyber security System

Closed-loop security system with ECDSA P-256, SHA256, AES256 for authentication, encryption, and integrity.



UER1

- Up to 22KW, optional 7KW/11KW/22KW
- Protection IP66, IK10
- IEC 62196-2 Compliant, Type 2 plug
- DC6mA ground fault protection and O-PEN



UE1

- Up to 22KW for fast charging
- OCPP1.6J/OCPP2.0.1/ISO15118
- Custom segmented charging display
- DC6mA ground fault protection and O-PEN



UE2

- Up to 22KW, optional 7KW/11KW/22KW
- Enhanced relay arc protection design
- IEC 62196-2 Compliant, Type 2 cable
- Lower standby power through intelligent wake-up



UES1

- Up to 22KW, optional 7KW/11KW/22KW
- IEC 62196-2 Compliant, Type 2 socket
- High compatibility charging protocol
- DC6mA ground fault protection and O-PEN



UES2

- Up to 22KW, optional 7KW/11KW/22KW
- High compatibility charging protocol
- Comprehensive Safety Measures
- Dynamic load balancing Management

EU EV AC Charger Mode 3



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:

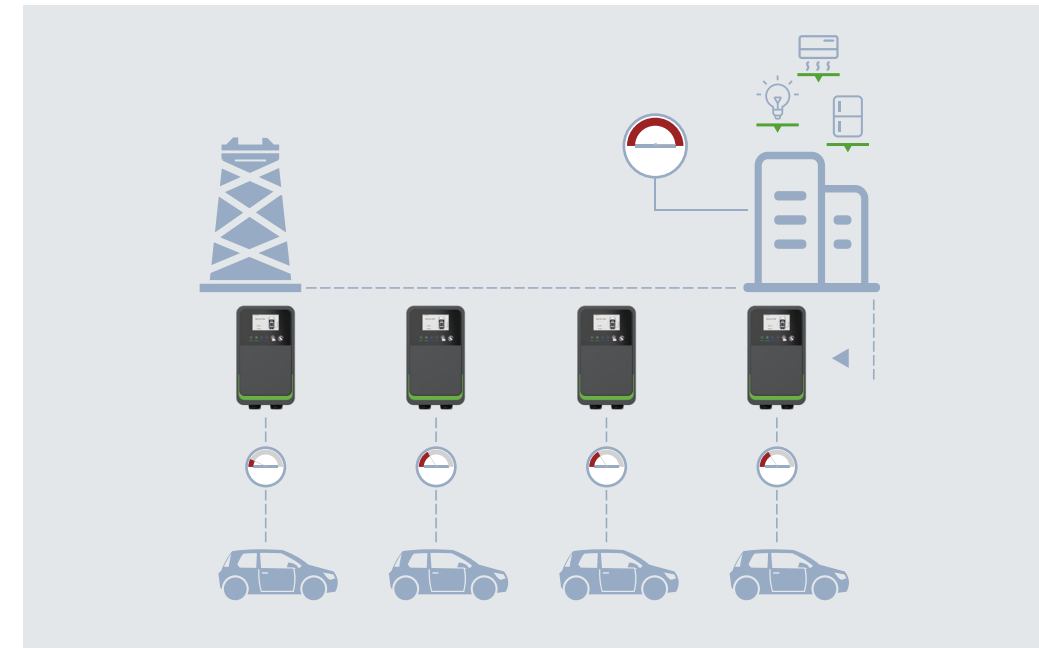
Enhance the overall efficiency and effectiveness of the charging infrastructure. Ensure efficient charging of multiple vehicles simultaneously with existing circuit capacity.

✓ Avoid costly grid upgrades:

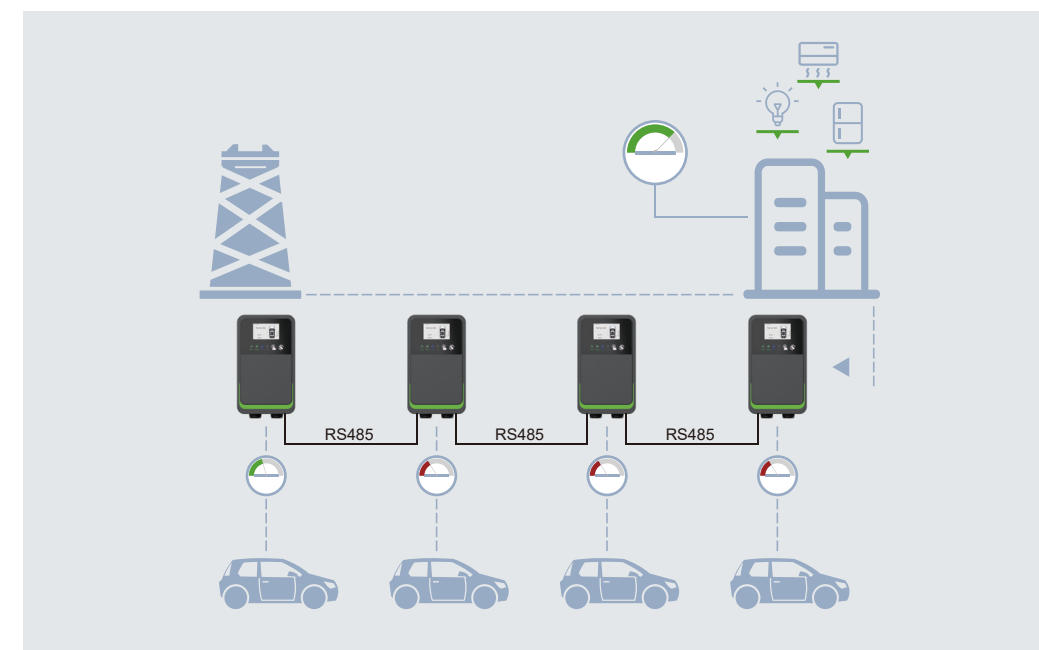
Eliminate the necessity for expensive electrical panel upgrades. Help avoid costs by maximizing charging efficiency without increasing energy consumption.

✓ 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.



✓ 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.

Excellent protocol compatibility

✓ 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:

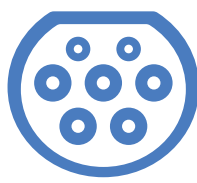
Fully supports ISO 15118-2 standard and supports P&C function.

UR EV 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)	

UE EV AC Charger
Type 2 Mode 3



7kW/11kW/22kW



Cable



Warranty 3 Years



Model Selection

Models-UE1(Pro)

Model No.	UE1-P7	UE1-P11	UE1-P22	UE1Pro-P7	UE1Pro-P11	UE1Pro-P22
-----------	--------	---------	---------	-----------	------------	------------



ELECTRICAL SPECIFICATION						
Input Connector	Hardwired			Hardwired		
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			SGS-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	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	Hardwired			Hardwired		
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			SGS-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	IP65/IK08			IP65/IK08		

UES EV AC Charger
Type 2 Mode 3



7kW/11kW/22kW



Socket



Warranty 3 Years

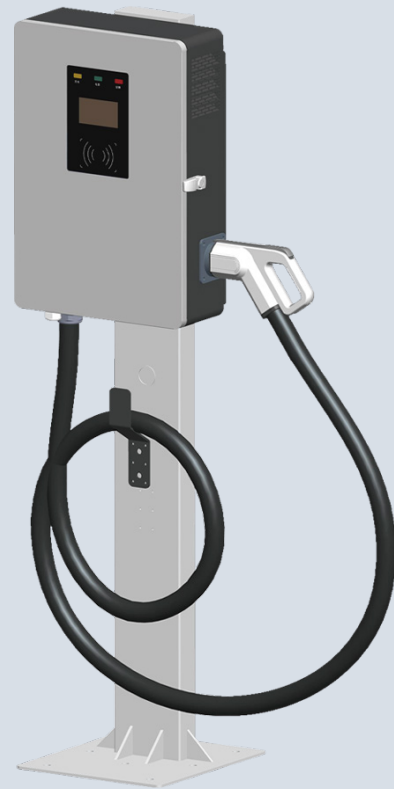


Models-UES1(Pro)

Model No.	UES1-P7	UES1-P11	UES1-P22	UES1Pro-P7	UES1Pro-P11	UES1Pro-P22
						
ELECTRICAL SPECIFICATION						
Input Connector	Hardwired			Hardwired		
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		
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			SGS-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	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	Hardwired			Hardwired		
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		
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			SGS-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	IP54/IK08			IP54/IK08		



20kW/30kW/40kW DC Charger Series

- Supports output up to 1000V
- Flexible Installation Options
- Strong Weather Resistance
- Multiple Safety Protections



120kW-320kW DC Charger Series

- High Reliability
- Strong Weather Resistance
- High-Efficiency Charging Module
- Intelligent Power Management

EU EV DC Charger **Mode 4**





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	200~1000V DC	200~1000V DC
Maximum Curent	50A		
Rated Power	20kW	30kW	40kW
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	42kg	50kg
Gross Weight	41kg	45kg	53kg
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/160kW	240kW/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	