

EV CHARGER STATION



The energy of the future



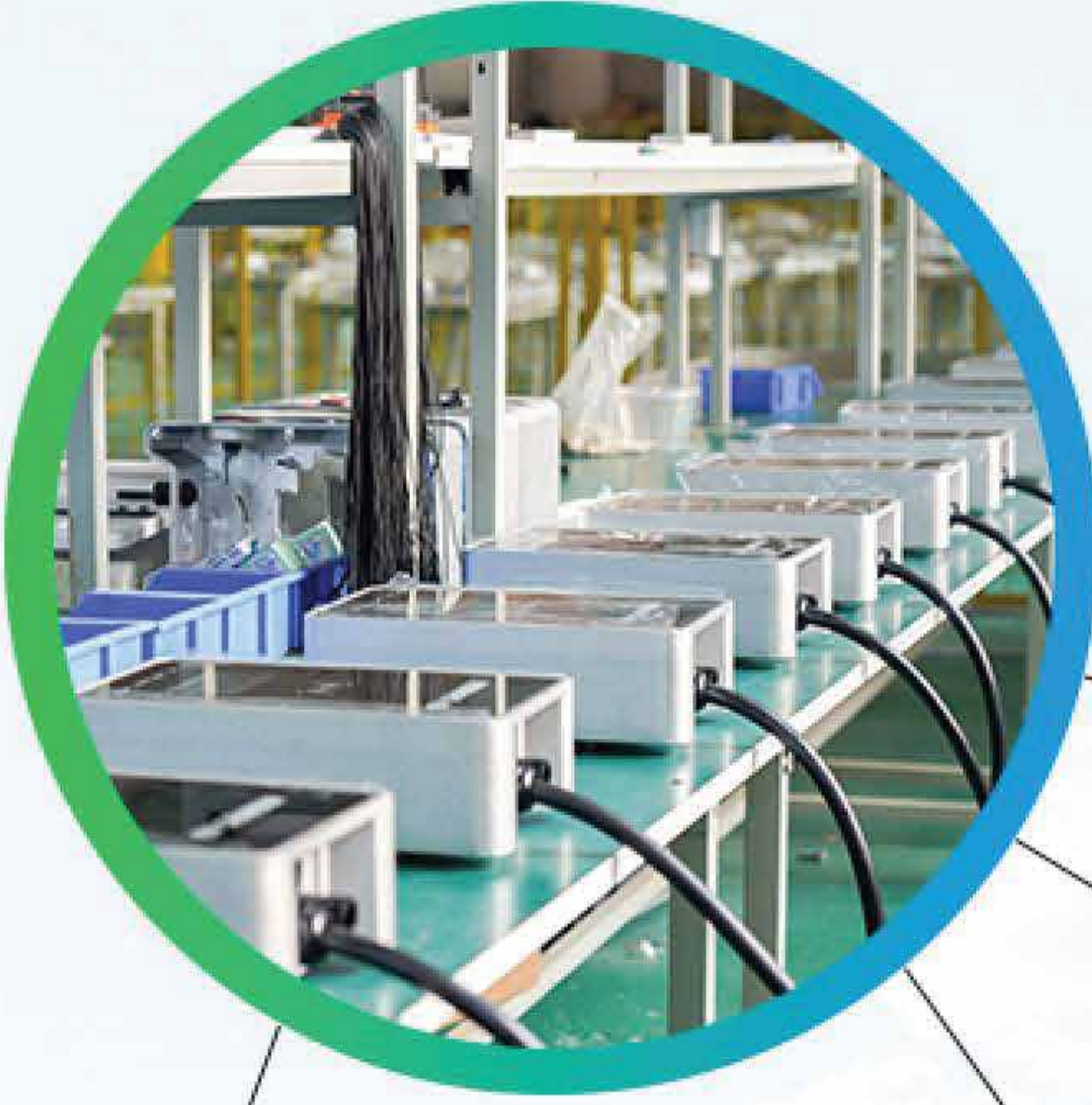
INTELLIGENT CHARGING SYSTEM

Green travel, low carbon life



The energy of the future

- The company has more than 100 employees, including 10 R&D personnel, and R&D accounts for 10%. The workshop has more than 5,000 square meters.



100+

10%

5000+



- Product innovation. Modular designed products facilitate customization for different customers. Every year we upgrade our products and develop new technology (e.g. Wi-Fi Mesh, ISO15118, OCPP1.6), to meet the edge-leading demand of the market.



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01

ECO Series AC Charging System For Electric Vehicles



ECOC3H series

Wallbox Home EV Charger

- Simple Operation
- Plug and Play or RFID Card
- 4.3-inch LCD Screen
- 4 LED indicators-
Power/Connect/Charging/Fault

- Secure and Safe
- Residual current protection
- Over temperature protection
- Over current protection

- Cost Effective
- Aluminum alloy integral molding
- Enclosure Material PC Plastic

- Flexible Option
- Blue CEE, NEMA Plug, UK Plug, Schuko Plug or AU Plug
- IEC62196 Type2 or SAE J1772 Type1 optional



ECOC3H Series Wallbox Home EV Charger

Power Specification

Power	3.6kw	7kw	11kw	22kw
Input max current	16A	32A	16A	32A
Voltage	220V	220V	380V	380V
Rated Frequency	50/60Hz	50/60Hz	50/60Hz	50/60Hz
Required Service Panel Breaker (Branch Breaker)	Delicated Dual Pole 20A(16A station)	Delicated Dual Pole 40A(32A station)	Delicated Dual Pole 20A(16A station)	Delicated Dual Pole 40A(32A station)
Power Wiring	3 Wire-L1,L2,GROUND		5 Wire-L1,L2,L3,N,PE	
Connector Type	SAE J1772(Type 1) or IEC 62196-2 (Type 2) or GB/T		IEC 62196-2(Type 2) or GB/T	
Connector Mechanical Operating Life	≥10000 times			

User Interface & Control

Charging Control	Plug and Play or RFID Card
Display Screen	4.3-inch LCD Screen
Indicators	4 LED indicators-Power/Connect/Charging/Fault

Environmental

Storage Temperature	-40 to 75°C(-40 to 167°F) ambient
Operating Temperature	-30 to 55°C(-22 to 131°F) ambient
Operating Humidity	Up to 95% non-condensing
Altitude	≤2000m
Cooling Method	Natural Cooling

Protection

Protection Ratings	IP65
Over Voltage Protection	Yes
Over Load Protection	Yes
Earth Leakage Protection	Yes
Over-temp Protection	Yes

Wallbox Mechanical

Dimension(H×W×D,mm)	320*197*100mm			
Weight(KG)	5.8	5.8	6.3	6.8
Package Weight(kg)	7.0	7.0	7.5	8.2
Charging Cable Length	5m or Customize Length (Socket)			
Enclosure Material	Front Panel:Black Tempered Glass; Back Cover:Silver, Metal Plate			

Mounting Pole Mechanical(Optional)

Dimension(H×W×D)	1400*50*100mm			
Weight	5KG			
Enclosure Material	Metal			



ECO3A series

Wallbox Smart EV Charger

- Residential areas like apartment and dwellings.
- Parking garage of office building, hospital, supermarket, motel and etc. for commercial EV charging.
- EV infrastructure operators and service providers.



Highway Service



Service Station



Parking



Commercial



Fleet



ECOC3A Series Wallbox Home EV Charger

Power Specification

Power	3.6kw	7kw	9.6kw	11.6kw
Input max current	16A	32A	40A	48A
Voltage	110-220V	110-220V	110-220V	110-220V
Rated Frequency	50/60Hz	50/60Hz	50/60Hz	50/60Hz
Required Service Panel Breaker (Branch Breaker)	Delicated Dual Pole 20A(16A station)	Delicated Dual Pole 40A(32A station)	Delicated Dual Pole 50A(40A station)	Delicated Dual Pole 64A(48A station)
Power Wiring	3 Wire-L1,L2,GROUND			
Connector Type	SAE J1772(Type 1)			
Connector Mechanical Operating Life	≥10000 times			

User Interface & Control

Charging Control	Plug and Play, RFID Card, Bluetooth and APP
External Communication	Wi-Fi
	4G(Optional)
OCPD Protocol(Optional)	OCPD 1.6J

Environmental

Storage Temperature	-40 to 75°C(-40 to 167°F) ambient
Operating Temperature	-30 to 55°C(-22 to 131°F) ambient
Operating Humidity	Up to 95% non-condensing
Altitude	≤2000m
Cooling Method	Natural Cooling

Protection

Protection Ratings	IP65
Over Voltage Protection	Yes
Over Load Protection	Yes
Earth Leakage Protection	Yes
Over-temp Protection	Yes

Wallbox Mechanical

Dimension(H×W×D,mm)	320*197*100mm			
Weight(KG)	6	6	6	6.5
Package Weight(kg)	7.2	7.2	7.2	8
Charging Cable Length	5m or Customize Length (Socket)			
Enclosure Material	Front Panel:Black Tempered Glass; Back Cover:Silver, Metal Plate			

Mounting Pole Mechanical(Optional)

Dimension(H×W×D)	1400*50*100mm			
Weight	5KG			
Enclosure Material	Metal			



ECO3A series

Wallbox Smart EV Charger

- Residential areas like apartment and dwellings.
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- EV infrastructure operators and service providers.



Highway Service



Service Station



Parking



Commercial



Fleet



ECOC3A Series Wallbox Smart EV Charger

Power Specification

Power	3.6kw	7kw	11kw	22kw
Input max current	16A	32A	16A	32A
Voltage	110-220V	110-220V	380V	380V
Rated Frequency	50/60Hz	50/60Hz	50/60Hz	50/60Hz
Required Service Panel Breaker (Branch Breaker)	Delicated Dual Pole 20A(16A station)	Delicated Dual Pole 40A(32A station)	Delicated Dual Pole 20A(16A station)	Delicated Dual Pole 40A(32A station)
Power Wiring	3 Wire-L1,L2,GROUND		5 Wire-L1,L2,L3,N,PE	
Connector Type	IEC 62196-2(Type 2) or GB/T			
Connector Mechanical Operating Life	≥10000 times			

User Interface & Control

Charging Control	Plug and Play, RFID Card, Bluetooth and APP
External Communication	Wi-Fi
	4G(Optional)
OCPD Protocol(Optional)	OCPD 1.6J

Environmental

Storage Temperature	-40 to 75°C (-40 to 167°F) ambient
Operating Temperature	-30 to 55°C (-22 to 131°F) ambient
Operating Humidity	Up to 95% non-condensing
Altitude	≤2000m
Cooling Method	Natural Cooling

Protection

Protection Ratings	IP65
Over Voltage Protection	Yes
Over Load Protection	Yes
Earth Leakage Protection	Yes
Over-temp Protection	Yes

Wallbox Mechanical

Dimension(H×W×D,mm)	320*197*100mm			
Weight(KG)	6	6	6	6.5
Package Weight(kg)	7.2	7.2	7.2	8
Charging Cable Length	5m or Customize Length (Socket)			
Enclosure Material	Front Panel:Black Tempered Glass; Back Cover:Silver, Metal Plate			

Mounting Pole Mechanical(Optional)

Dimension(H×W×D)	1400*50*100mm			
Weight	5KG			
Enclosure Material	Metal			



ECO3F series

Double Plug Ev Charger (Commercial Use)

It adopts ARM chip with high stability and high performance, and the display interface is a 4.3-inch LED liquid crystal display with rich information and high resolution; it has perfect protection function; the chassis adopts sheet metal chassis, which is durable; the protection grade is IP54, which can meet the requirements of outdoor operation.



ECOC3F Series Double Plug EV Charger (Commercial Use)

Electrical and Connector

Category	Type2 / GB/T		
Power	2*7KW	2*11kw	2*22kw
Input max current	64A	32A	64A
Voltage	110-220V	380V	380V
Rated Frequency	50/60Hz	50/60Hz	50/60Hz
Required Service Panel Breaker (Branch Breaker)	Delicated Dual Pole 80A(64A station)	Delicated 3-Pole 40A(32A station)	Delicated 3-Pole 80A(64A station)
Input Plug	3 Wire-L1,N,PE	5 Wire-L1,L2,L3,N,PE	
Connector Type	IEC 62196-2(Type 2) / GB/T		
Connector Mechanical Operating Life	≥10000 times		

User Interface & Control

Charging Control	Plug and Play, RFID Card
Display Screen	4.3-inch OLED touch screen
External Communication	LAN(RJ-45)
	4G(Optional)
Ocpp Protocol(Optional)	Ocpp 1.6J

Environmental

Storage Temperature	-40 to 75°C (-40 to 167°F) ambient
Operating Temperature	-30 to 55°C (-22 to 131°F) ambient
Operating Humidity	Up to 95% non-condensing
Altitude	≤2000m
Cooling Method	Natural Cooling

Protection

Protection Ratings	IP65
Over Voltage Protection	Yes
Over Load Protection	Yes
Earth Leakage Protection	Yes
Over-temp Protection	Yes

Mechanical

Dimension(H×W×D,mm)	1450*350*160mm		
Weight	28	28	32
Enclosure Material	Metal		



ECOC3Fseries

Double Plug Ev Charger (Commercial Use)

It adopts ARM chip with high stability and high performance, and the display interface is a 4.3-inch LED liquid crystal display with rich information and high resolution; it has perfect protection function; the chassis adopts sheet metal chassis, which is durable; the protection grade is IP54, which can meet the requirements of outdoor operation.



SAE J1772(Type 1)



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ECOC3F Series Double Plug EV Charger (commercial Use)

Power Specification

Category	Type1+Type1	Type1+Type1	Type1
Power	7kw+7kw	17.6kw+17.6kw	17.6kw
Input max current	32A+32A	80A+80A	80A
Voltage	110-220V		
Rated Frequency	50/60Hz		
Power Wiring	3 Wire-L1,N,PE		
Connector Type	SAE J1772(Type 1)		
Connector Mechanical Operating Life	≥10000 times		

User Interface & Control & Environmental

Charging Control	Plug and Play, RFID Card
Display Screen	4.3-inch OLED touch screen
External Communication	LAN(RJ-45)
	4G(Optional)
OCPP Protocol(Optional)	OCPP 1.6J
Storage Temperature	-40 to 75°C (-40 to 167°F) ambient
Operating Temperature	-30 to 55°C (-22 to 131°F) ambient
Operating Humidity	Up to 95% non-condensing
Altitude	≤2000m
Cooling Method	Natural Cooling

Protection

Protection Ratings	IP54
Under Voltage Protection	Yes
Short Circuit Protection	Yes
Ground Protection	Yes
Surge Protection	Yes
Type A RCD Built- in (Type B optional)	Yes
Over Voltage Protection	Yes
Over Load Protection	Yes
Earth Leakage Protection	Yes
Over-temp Protection	Yes



ECOC2Pseries

Portable EV Charger

- Visual safety reminder, LED indicator light, screen display, charging real-time control.
- All-round protection and safe operation: It has over-voltage protection, under-voltage protection, overload protection, earth leakage protection, grounding protection, over-temperature protection, low-temperature protection, lightning protection and toppling protection, ensuring safe and reliable operation of the equipment and effectively preventing accidents.
- High protection level: IP67, supporting outdoor harsh environment, not needing to set up additional canopy, etc



ECOC2P Series Portable Ev charger

Electrical and Connector

Category	Type1		Type2		GB/T	
Power	3.6kw	7kw	3.6kw	7kw	3.6kw	7kw
Input max current	16A	32A	16A	32A	16A	32A
Voltage	220V	220V	220V	220V	220V	220V
Adjustable Output Current	8/10/13/16A	8/10/13/16/32A	8/10/13/16A	8/10/13/16/32A	8/10/13/16A	8/10/13/16/32A
Rated Frequency	50/60Hz	50/60Hz	50/60Hz	50/60Hz	50/60Hz	50/60Hz
Required Service Panel Breaker	Dedicated Dual Pole 20A(16A station) or 40A(32A station)					
Input Plug	Blue CEE, NEMA Plug, UK Plug, Schuko Plug or AU Plug					
Power Wiring	3 Wire- L1,I2 plus GROUND(US)		3 Wire- Live, Neutral plus PE(EU)			
Connector Type	SAE J1772(Type 1)		IEC 62196-2(Type 2)		GB/T	
Connector Mechanical Operating Life	≥10000 times					

User Interface & Control

Charging Control	Plug and Play
Display Screen	1.3-inch LCD Screen
Indicators	3 LED indicators-Power/ Charging/ Fault

Environmental

Operating Temperature	-40 to 75°C(-40 to 150°F) ambient
Operating Humidity	Up to 95% non-condensing
Altitude	≤2000m
Cooling Method	Natural Cooling

Protection

Protection Ratings	IP67
Under Voltage Protection	Yes
Short Circuit Protection	Yes
Ground Protection	Yes
Surge Protection	Yes
Over Voltage Protection	Yes
Over Load Protection	Yes
Earth Leakage Protection	Yes
Over-temp Protection	Yes

Mechanical

Package Size(H×W×D,mm)	410*410*95mm
Weight	3KG
Charging Cable Length	5m or customize length
Enclosure Material	PC Plastic



02

ECO Series DC Charging System For Electric Vehicles



ECO C4W series

Wallbox Mount (Home Use)

Charging Mode

- Automatic Filling
- Fixed Time
- Fixed Amount
- Fixed Electricity

- Support Code Scanning
- Credit Card Charging,
- Credit Card Start and Stop Charging Mode;

- Support Background Management
- Support With Independent Leakage Protection, Shell Support Single and Double Guns

- Adopt 4.3 " Color Touch Screen Display (optional)
- Man-Machine Interface Interaction
- Easy Operation



ECOC4W Series Wallbox Mount (Home Use)

Electrical Indicators

Power	20KW	30kw	40kw
Input Max Current	40A	60A	100A
Voltage	380V	380V	380V
Charging Interface	CCS2, CCS1, CHAdeMO or GB/T		
Converter Efficiency	Maximum Efficiency >95%		
Input Current	≤40A	≤60A	≤80A
Output Power	60A	100A	133A

Structure Appearance

Shell Material	Galvanized Sheet		
Size	685*430*178mm	685*570*178mm	
Installation Method	Wall-Mounted		
Weight	45KG	53KG	
Cable Length	5 Meters/Customize		

Environmental Indicator

Applicable Scene	Indoor/Outdoor		
Operating Temperature	-40°C~+75°C		
Operating Humidity	5%<95%		
Altitude	<2000m		
Acoustic Noise	IP54		
Degree of Protection	<55dB		

Function

Safety Indicator	Short Circuit,Over Voltage.Over Current,Leakage. Over Temperature,Lighting Protection.Ground Insulation Monitoring		
Human-Computer Interaction	LED Indicator+4.3 Inch Display		
Payment Method	Credit Card Enabled or Button Enabled		
Charging Protocol	Emergency Stop Button		



ECO C4F series

Commercial Double Plug EV Charging Station

- One-button operation makes charging faster and more convenient;
- Human-machine interface interaction, intelligent control of charging process;
- Environmental protection: low standby power consumption, in line with the requirements of energy conservation and emission reduction;
- Module hot swap technology, easy to use;
- Perfect system protection function, use more secure;
- Support background management;



ECOC4F Series Commercial Double Plug EV Charging Station

Product Information

Power	60KW	80KW	120KW	160KW	180KW	240KW	300KW	320KW	360KW
Input Max Current	120A	160A	240A	300A	360A	400A	400A	400A	400A
Voltage	380V	380V	380V	380V	380V	380V	380V	380V	380V
Charging Interface	CCS1, CCS2, CHAdeMO or GB/T								
Number of EV Served	Up to 2(CC,GG,JJ models)			Up to 2(CC,GG,JJ models)					
	Up to 1(C,G models)			Up to 1(C,G models)					
Cable Length	5m (Optional:6.0m/8.0m)								
CCS Cables Maximum Current	Standard:250A High Current:500A								
CHAdeMO Cables Maximum Current	200A								
Connector Types	3-Phase, Neutral, Protective Earth (CE Models)				3-Phase, Protective Earth (UL models)				
Overvoltage Category	Type II								
Power Factor(full load)	>0.96								
THDi	< 4.5%								
Efficiency	> 95% (Peak)								
Standby Power	80W 980W (With Heater Active)								
Short Circuit Current	10 KA (CE Models) 65 KA (UL Models)								
Pre- Charge Current	< 1 A								
Inrush Current	< 100 A								
Leakage Current	0.8 mA								

User Interface

Connectivity	Internet Access Via 4G / 3G / Ethernet (RJ45)
User Authentication	App, ISO 15118 Plug'n'Charge, RFID, PIN Code
User Interface	7" LCD High-Contrast Touch Screen
Communication Protocols	OCPP 1.5 / 1.6 and OPC-UA
RFID Reader	ISO 14443 A + B to part 4 and ISO/IEC 15693, Mifare, NFC, Calypso, Ultralight, PayPass, HID; and More
Emergency Button	Yes. The Button Can Be Removed With a Retrofit Kit.
Software Update	Over-The-Air Updates
Control and Configuration	On-Board Service Portal, OCPP 1.6, OPC-UA

Environmental Indicator

Applicable Scene	Indoor/Outdoor
Operating Temperature	-30°C~+50°C
Altitude	<2000m
Acoustic Noise	IP43

General Characteristics

IP and IK Rating	IP-65 and IK-10 (Cabinet) / IK-8 (Touch Screen)
Enclosure Type	Stainless Steel 430 and Aluminium
Humidity	5-95%
Cooling	Fan Cooling

