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CATALOG OF EV CHARGERS

M-FOTON Ltd.

CONTENT

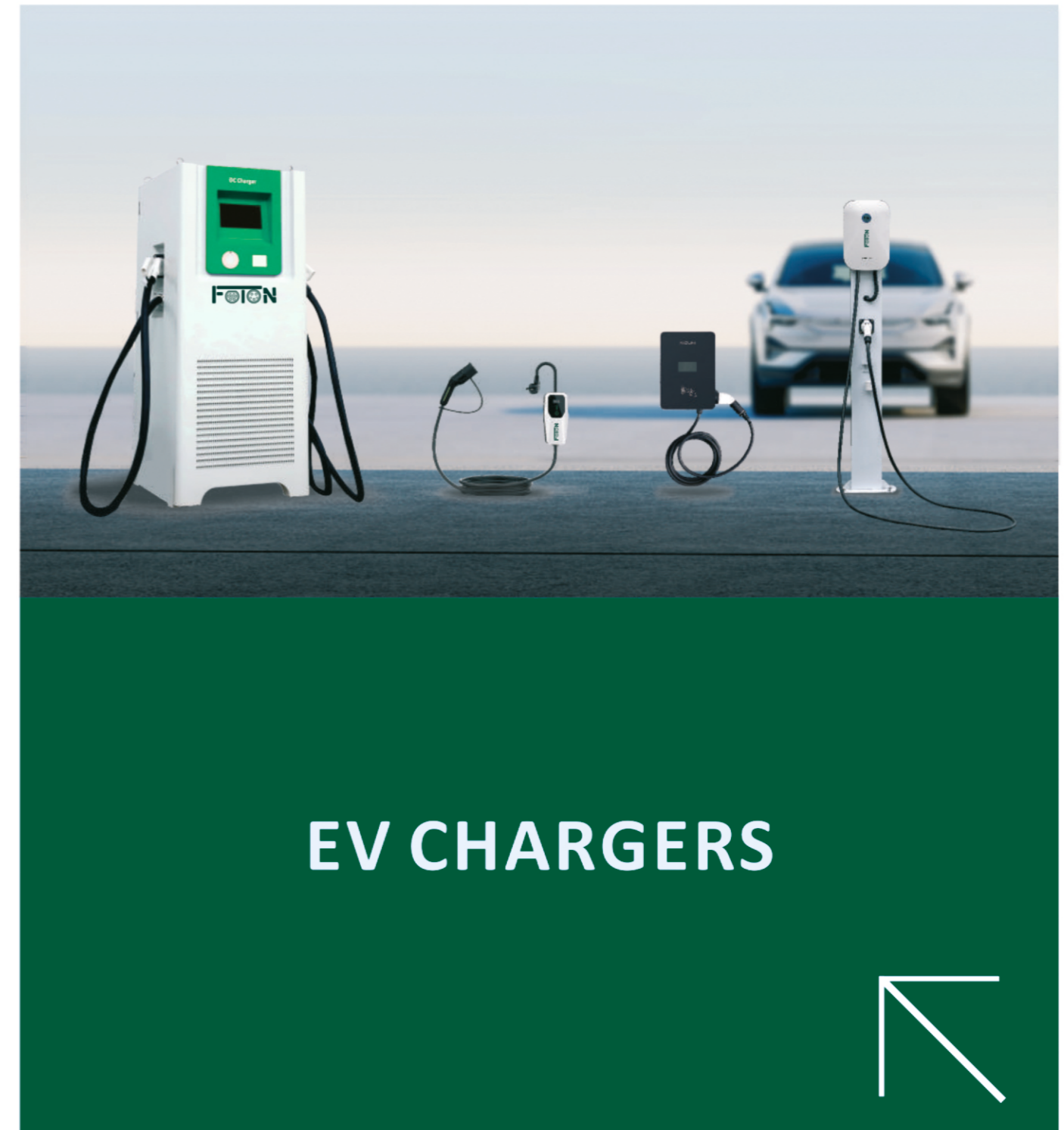
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Portable EV Charger

3.5kW/7kW



Features

- Maximum 32A high current charging, backward compatible with 6A, 8A, 10A, 13A, 16A, 20A, 24A.
- Handle length 103mm, rounded corner design, and the design of non-slip line, more in line with European and American ergonomic design.
- It comes with temperature detection, which can avoid hidden dangers caused by high temperature.
- Various charging protections, to ensure the stable operation of products.
- Can make an appointment to charge, more cost savings.
- Residential areas, commercial places, industrial parks, enterprises and institutions, etc.
- The outer shell is made of durable thermoplastic material, providing longevity and reliability.
- The control box is waterproof, Dust-proof, and pressure-proof.
- Safe charging, including leakage protection, over-temperature protection, surge protection, over-current protection, automatic power-off, under-voltage protection, and over-voltage protection.

Model	EVSEP-3-GB	EVSEP-7-GB
Product information		
Output power	3.5kW	7kW
Display current	6A/8A/10A/ 13A/16A	6A/8A/10A/13A/ 16A/20A/24A/32A
Optional fixed current	6A/8A/10A/ 13A/16A	6A/8A/10A/13A/ 16A/20A/24A/32A
Product specification		
Operating temperature	-25°C~+50°C	
Cable length	5m (Customizable)	
Protection level	IP54(Plug)/IP65(Control box)	
Working voltage	220V/380V	
Shell material	Thermoplastic material	
Uv protection	Yes	
Cable material	TPE	
Display screen	OLED	
Protection design	leakage protection, over temperature protection, surge protection, Overcurrent protection, automatic power off, undervoltage protection, Overvoltage protection, CP failure	

Appearance



Product



Charging Plug



GB/T

Portable EV Charger

3.5kW/7kW/11kW



Model	EVSEP-3-EU	EVSEP-7-EU	EVSEP-11-EU
Product information			
Output power	3.5kW	7kW	11kW
Display current	6A/8A/10A/ 13A/16A	6A/8A/10A/13A/ 16A/20A/24A/32A	6A/8A/10A/ 13A/16A
Optional fixed current	6A/8A/10A/ 13A/16A	6A/8A/10A/13A/ 16A/20A/24A/32A	6A/8A/10A/ 13A/16A
Product specification			
Operating temperature	-25°C~+50°C		
Cable length	5m (Customizable)		
Protection level	IP54(Plug)/IP65(Control box)		
Working voltage	220V/380V		
Shell material	Thermoplastic material		
Uv protection	Yes		
Cable material	TPU		
Certificate	CE		
Protection design	leakage protection, over temperature protection, surge protection, Overcurrent protection, automatic power off, undervoltage protection, Overvoltage protection, CP failure		

Features

- Maximum 32A high current charging, backward compatible with 6A, 8A, 10A, 13A, 16A, 20A, 24A.
- Handle length 103mm, rounded corner design, and the design of non-slip line, more in line with European and American ergonomic design.
- It comes with temperature detection, which can avoid hidden dangers caused by high temperature.
- Various charging protections, to ensure the stable operation of products.
- Can make an appointment to charge, more cost savings.
- Residential areas, commercial places, industrial parks, enterprises and institutions, etc.
- The outer shell is made of durable thermoplastic material, providing longevity and reliability.
- The control box is waterproof, Dust-proof, and pressure-proof.
- Safe charging, including leakage protection, over-temperature protection, surge protection, over-current protection, automatic power-off, under-voltage protection, and over-voltage protection.

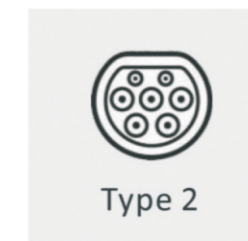
Appearance



Product



Charging Plug



Portable Multi-plug EV charger



Features

- Suitable for up to 28 types of protocol power adapter, free replacement to meet the use of different countries and regions.
- Handle length 103mm, round corner, and the design of non-slip line, more in line with European and American ergonomic design.
- Coming with temperature detection, which can avoid hidden dangers caused by high temperature.
- Automatic fault repair, to ensure the stable operation of products.
- Able to make an appointment to charge, more cost savings.
- Intelligent plug identification; Automatic adjusting of maximum safe current.

Model	EVSEPR-1-EU
Product specification	
Max. Voltage	480V
Rated current	16A-32A
Optional fixed current	From -30°C to +50°C
Protection level	IP54/IP65
Rubber shell flame retardant grade	UL94V-0
Insert and remove life (No load)	≥10000 times
Insertion force	<100N
Cable length	5m (Customizable)

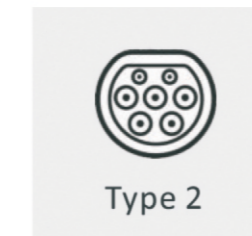
Appearance



Product



Aviation Connector



Type 2

Portable EV Charger

16A/32A



Features

- Maximum 32A high current charging, backward compatible with 6A, 8A, 10A, 13A, 16A, 20A, 24A.
- Handle length 103mm, rounded corner design, and the design of non-slip line, more in line with European and American ergonomic design.
- It comes with temperature detection, which can avoid hidden dangers caused by high temperature.
- Various charging protections, to ensure the stable operation of products.
- Can make an appointment to charge, more cost savings.
- Residential areas, commercial places, industrial parks, enterprises and institutions, etc.
- The outer shell is made of durable thermoplastic material, providing longevity and reliability.
- The control box is waterproof, Dust-proof, and pressure-proof.
- Safe charging, including leakage protection, over-temperature protection, surge protection, over-current protection, automatic power-off, under-voltage protection, and over-voltage protection.

Model	EVSEP-3-UL	EVSEP-7-UL
Product information		
Output current	16A	32A
Display current	6A/8A/10A/ 13A/16A	6A, 8A, 10A, 13A, 16A, 20A, 24A, 32A
Optional fixed current	6A/8A/10A/ 13A/16A	6A, 8A, 10A, 13A, 16A, 20A, 24A, 32A
Product specification		
Current	Max 32A	
Operating temperature	-25°C~+50°C	
Cable length	5m (Customizable)	
Protection level	IP54(Plug)/IP65(Control box)	
Operating voltage	240V	
Shell material	Thermoplastic material	
Uv protection	Yes	
Cable material	TPE	
Certificate	FCC	
Protection design	leakage protection, over temperature protection, surge protection, Overcurrent protection, automatic power off, undervoltage protection, Overvoltage protection, CP failure	

Appearance



Product



Charging Plug



Type 1

AC EV CHARGER

7kW/11kW/22kW

European-Standard



Features

- Industrial-grade outdoor design. Product is optimized for harsh outdoor environments.
- Lightning protection, over-and-under-voltage protection, leakage protection, over-current protection, etc.
- Easy to use. RFID, Plug & Charge, App.
- Emergency stop button switch. Product can quickly cut off the output power when suffer incident.
- Equipped with an LCD. Display voltage, current, time, power and other information in real time during the charging process.
- Flexible optional configurations. Ethernet, 4G Modular, WIFI.
- Easy to install, operate and maintain.

Model	EVSE871AEUR	EVSE811AEUR	EVSE821AEUR
Input & output			
Output power	7kW	11kW	22kW
Input voltage	AC 230V	AC 400V	AC 400V
Output voltage	AC 230V	AC 400V	AC 400V
Output current	32A	16A	32A
Protection class	Ip54		
Charging plug	Type 2 (Default 5m)		
Communication & UI			
Charging method	RFID Card, Charge Plug, APP		
Function	WIFI, 4G, Ethernet		
Protocol	OCPP1.6J		
Screen	2.8 inch LCD Color Screen		
Installation	Wall Mounted / Upright Column(Opt.)		
Others			
Specification	355*230*108mm (H*W*D)		
Weight	6KG		
Charging interface	-25°C~+50°C		
Environment humidity	5%~95%		
Altitude	<2000 meter		
Protection measure	Over Current, Under Voltage, Over Voltage, Residual Current, Surge Protection, Short Circuit, Over Temperature, Ground Fault		

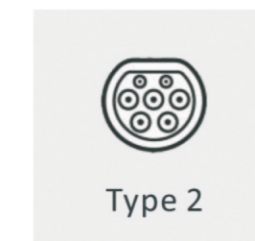
Appearance



Upright Column



Wall Mounted



Type 2

AC EV CHARGER

11.2kW/19.5kW



Features

- Industrial-grade outdoor design. Product is optimized for harsh outdoor environments.
- Lightning protection, over-and-under-voltage protection, leakage protection, over-current protection, etc.
- Easy to use. RFID, Plug & Charge, App.
- Emergency stop button switch. Product can quickly cut off the output power when suffer incident.
- Equipped with an LCD. Display voltage, current, time, power and other information in real time during the charging process.
- Flexible optional configurations. Ethernet, 4G Modular, WIFI.
- Easy to install, operate and maintain.

Model	EVSE811A-UL	EVSE821A-UL
Input & output		
Output power	11.5kW	19.2kW
Input voltage	AC 208-240V	AC 208-240V
Output voltage	AC 208-240V	AC 208-240V
Output current	48A	80A
Protection class	Ip54	
Charging plug	Type 1 (Default 5m)	
Communication & UI		
Charging method	RFID Card, Charge Plug, APP	
Function	WIFI, 4G, Ethernet	
Protocol	OCPP1.6J	
Screen	4.3 inch LCD Color Screen	
Installation	Wall Mounted	
Others		
Specification	396*280*140mm(H*W*D)	
Weight	11.2KG	
Charging interface	-25°C~+50°C	
Environment humidity	5%~95%	
Altitude	<2000 meter	
Protection measure	Over Current, Under Voltage, Over Voltage, Residual Current, Surge Protection, Short Circuit, Over Temperature, Ground Fault	

Appearance



Wall Mounted



Charging Plug



Type 1

DC EV CHARGER

60kW/90kW/120kW/150kW

European-Standard



Features

- High voltage output. The output voltage ranges from 200-1000V, satisfy requirements of various types vehicles cover small car, medium and large bus.
- High power output. Fast charging with high-power output, suitable for large parking lots, residential areas, shopping malls.
- Intelligent power distribution. Allocate as needed every power module works on its own, maximizing the module utilization.
- High voltage input 380V+15%, won't stop charging with small voltage fluctuations.
- Intelligent cooling. Modular heat dissipation design, independent working, the fan works based on station's working condition, low noise pollution.
- Compact and modular design 60kw up to 150kw, customization available.
- Backstage monitoring. Real-time monitoring of the station status.
- Load balancing. More effective connection to the load system.

Model	EVSED60KW-D1-EU01	EVSED90KW-D1-EU01
AC input		
Input rating	380V±15% 3ph	
Number of phase/ Wire	3ph / L1, L2, L3, PE	
Frequency	50/60 Hz	
Power factor	>0.98	
Current THD	<5%	
Efficiency	>95%	
Power output & Protection		
Output power	60kW	90kW
Voltage accuracy	±0.5%	
Current accuracy	±1%	
Output voltage range	200V-1000V DC	
Protection	Over current, Under voltage, Over voltage, Residual current, Surge, Short circuit, Over temperature, Ground fault.	
User interface & Control		
Display	10.1 inch LCD screen & touch panel	
Support language	English (Other languages available upon request)	
Charge option	Charge options to be provided upon request: Charge by duration, Charge by energy, Charge by fee	
Charging interface	CCS 2	
Startup mode	Plug&charge/ RFID card/ APP	
Communication & Environmental		
Network	Ethernet, Wi-Fi, 4G	
Open charge point protocol	OCPP1.6 / OCPP2.0	
Operating temperature	-20 °C to 55°C (derating when over 55°C)	
Storage temperature	-40 °C to +70°C	
Humidity	≤95% relative humidity, non-condensing	
Altitude	Up to 2000 m (6000 feet)	
Mechanical & Compliance		
Ingress protection	Ip54	
Enclosure protection	Ik10 according to IEC 62262	
Cooling	Forced air	
Charging cable length	5m	
Dimension (W*D*H) mm	650*700*1500mm	
Weight	370kg	390kg
Certificate	CE / EN 61851-1/-23	

Model	EVSED120KW-D1-EU01	EVSED150KW-D1-EU01
AC input		
Input rating	380V±15% 3ph	
Number of phase/ Wire	3ph / L1, L2, L3, PE	
Frequency	50/60 Hz	
Power factor	>0.98	
Current THD	<5%	
Efficiency	>95%	
Power output & Protection		
Output power	120kW	150kW
Voltage accuracy	±0.5%	
Current accuracy	±1%	
Output voltage range	200V-1000V DC	
Protection	Over current, Under voltage, Over voltage, Residual current, Surge, Short circuit, Over temperature, Ground fault.	
User interface & Control		
Display	10.1 inch LCD screen & touch panel	
Support language	English (Other languages available upon request)	
Charge option	Charge options to be provided upon request: Charge by duration, Charge by energy, Charge by fee	
Charging interface	CCS 2	
Startup mode	Plug&charge/ RFID card/ APP	
Communication & Environmental		
Network	Ethernet, Wi-Fi, 4G	
Open charge point protocol	OCPP1.6 / OCPP2.0	
Operating temperature	-20 °C to 55°C (derating when over 55°C)	
Storage temperature	-40 °C to +70°C	
Humidity	≤95% relative humidity, non-condensing	
Altitude	Up to 2000 m (6000 feet)	
Mechanical & Compliance		
Ingress protection	Ip54	
Enclosure protection	Ik10 according to IEC 62262	
Cooling	Forced air	
Charging cable length	5m	
Dimension (W*D*H) mm	650*700*1500mm	
Weight	420kg	450kg
Certificate	CE / EN 61851-1/-23	

DC EV CHARGER

60kW/90kW/120kW/150kW



Features

- High voltage output. The output voltage ranges from 200-1000V, satisfy requirements of various types vehicles cover small car, medium and large bus.
- High power output. Fast charging with high-power output, suitable for large parking lots, residential areas, shopping malls.
- Intelligent power distribution. Allocate as needed every power module works on its own, maximizing the module utilization.
- High voltage input 380V+15%, won't stop charging with small voltage fluctuations.
- Intelligent cooling. Modular heat dissipation design, independent working, the fan works based on station's working condition, low noise pollution.
- Compact and modular design 60kw up to 150kw, customization available.
- Backstage monitoring. Real-time monitoring of the station status.
- Load balancing. More effective connection to the load system.

Model	EVSED60KW-D1-UL01	EVSED90KW-D1-UL01
AC input		
Input rating	380V±15% 3ph	
Number of phase/ Wire	3ph / L1, L2, L3, PE	
Frequency	50/60 Hz	
Power factor	>0.98	
Current THD	<5%	
Efficiency	>95%	
Power output & Protection		
Output power	60kW	90kW
Voltage accuracy	±0.5%	
Current accuracy	±1%	
Output voltage range	200V-1000V DC	
Protection	Over current, Under voltage, Over voltage, Residual current, Surge, Short circuit, Over temperature, Ground fault.	
User interface & Control		
Display	10.1 inch LCD screen & touch panel	
Support language	English (Other languages available upon request)	
Charge option	Charge options to be provided upon request: Charge by duration, Charge by energy, Charge by fee	
Charging interface	CCS 1	
Startup mode	Plug&charge/ RFID card/ APP	
Communication & Environmental		
Network	Ethernet, Wi-Fi, 4G	
Open charge point protocol	OCPP1.6 / OCPP2.0	
Operating temperature	-20 °C to 55°C (derating when over 55°C)	
Storage temperature	-40 °C to +70°C	
Humidity	≤95% relative humidity, non-condensing	
Altitude	Up to 2000 m (6000 feet)	
Mechanical & Compliance		
Ingress protection	Ip54	
Enclosure protection	Ik10 according to IEC 62262	
Cooling	Forced air	
Charging cable length	5m	
Dimension (W*D*H) mm	650*700*1500mm	
Weight	340kg	370kg
Certificate	CE / EN 61851-1/-23	

Model	EVSED120KW-D1-UL01	EVSED150KW-D1-UL01
AC input		
Input rating	380V±15% 3ph	
Number of phase/ Wire	3ph / L1, L2, L3, PE	
Frequency	50/60 Hz	
Power factor	>0.98	
Current THD	<5%	
Efficiency	>95%	
Power output & Protection		
Output power	120kW	150kW
Voltage accuracy	±0.5%	
Current accuracy	±1%	
Output voltage range	200V-1000V DC	
Protection	Over current, Under voltage, Over voltage, Residual current, Surge, Short circuit, Over temperature, Ground fault.	
User interface & Control		
Display	10.1 inch LCD screen & touch panel	
Support language	English (Other languages available upon request)	
Charge option	Charge options to be provided upon request: Charge by duration, Charge by energy, Charge by fee	
Charging interface	CCS 1	
Startup mode	Plug&charge/ RFID card/ APP	
Communication & Environmental		
Network	Ethernet, Wi-Fi, 4G	
Open charge point protocol	OCPP1.6 / OCPP2.0	
Operating temperature	-20 °C to 55°C (derating when over 55°C)	
Storage temperature	-40 °C to +70°C	
Humidity	≤95% relative humidity, non-condensing	
Altitude	Up to 2000 m (6000 feet)	
Mechanical & Compliance		
Ingress protection	Ip54	
Enclosure protection	Ik10 according to IEC 62262	
Cooling	Forced air	
Charging cable length	5m	
Dimension (W*D*H) mm	650*700*1500mm	
Weight	400kg	440kg
Certificate	CE / EN 61851-1/-23	

EV CHARGER ADAPTER

Model		EVSEAC-1-NACS
Product details		
Type 1 To NACS AC		
Specification	<ol style="list-style-type: none"> 1. Rated current: 60A 2. Insert and remove life: >10000 times 3. Working temperature: -30°C~50°C 4. Protection level: Ip65 	

Model		EVSEAC-NACS-2
Product details		
NACS To Type 2 AC		
Specification	<ol style="list-style-type: none"> 1. Rated current: 48A 2. Insert and remove life: >10000 times 3. Working temperature: -30°C~50°C 4. Protection level: Ip65 	

Model		EVSEAC-NACS-1
Product details		
NACS To Type 1 AC		
Specification	<ol style="list-style-type: none"> 1. Rated current: 48A 2. Insert and remove life: >10000 times 3. Working temperature: -30°C~50°C 4. Protection level: Ip65 	

EV CHARGER ADAPTER

Model		EVSEAC-2-1
Product details		
Type 2 To Type 1 AC		
Specification	<ol style="list-style-type: none"> 1. Rated current: 48A 2. Insert and remove life: >10000 times 3. Working temperature: -30°C~50°C 4. Protection level: Ip65 	

Model		EVSEAC-1-2
Product details		
Type 1 To Type 2 AC		
Specification	<ol style="list-style-type: none"> 1. Rated current: 48A 2. Insert and remove life: >10000 times 3. Working temperature: -30°C~50°C 4. Protection level: Ip65 	

Model		EVSEDC-CCS1-NACS
Product details		
CCS1 to NACS DC		
Specification	<ol style="list-style-type: none"> 1. Rated current: 250A 2. Insert and remove life: >10000 times 3. Working temperature: -30°C~50°C 4. Protection level: Ip65 	