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a prova di futuro

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EV CHARGING STATION CATALOGUE

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DC CHARGING SERIES

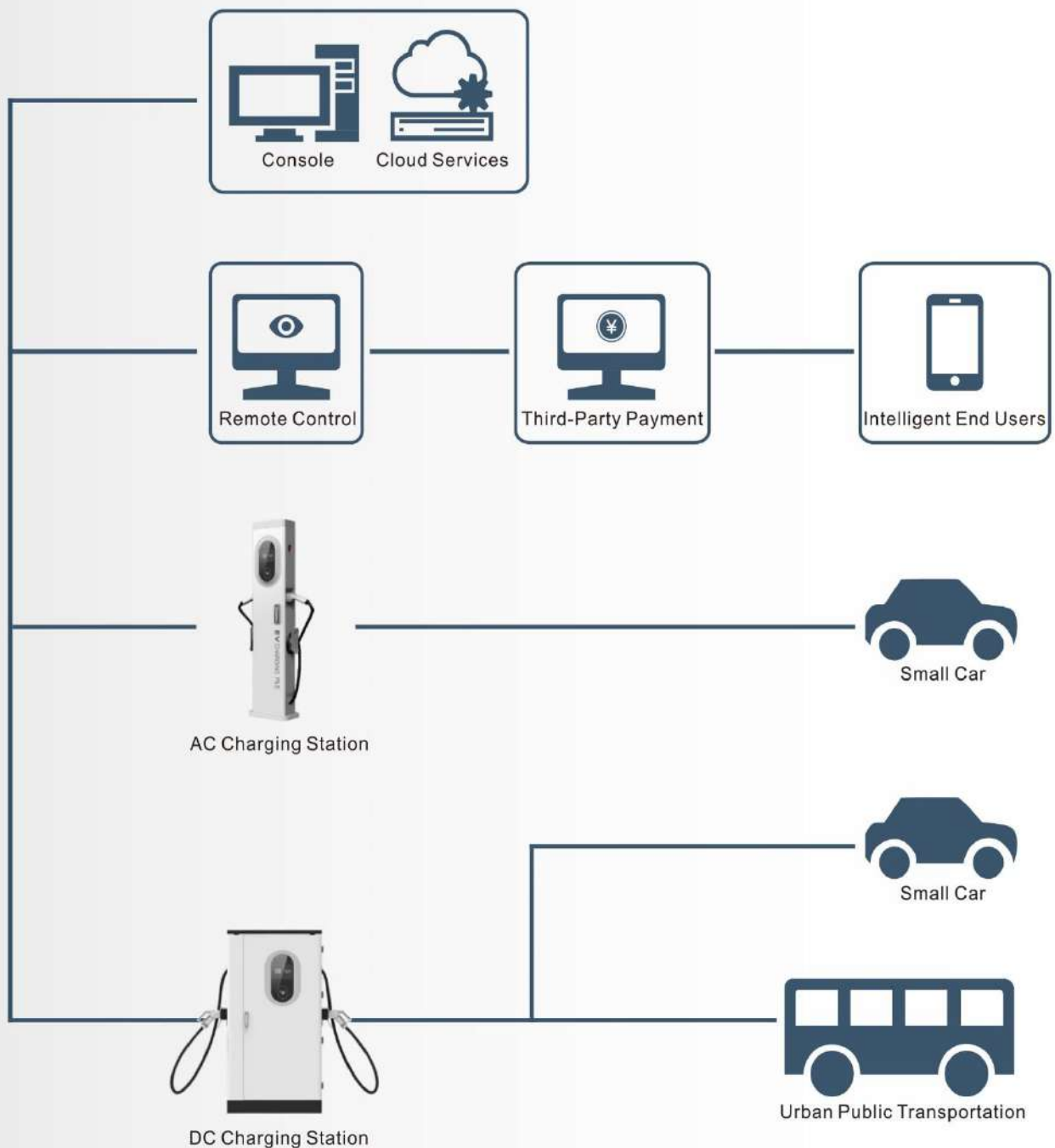
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GREEN INTELLIGENT CHARGING SOLUTION

With leading industry core technologies, intelligent energy optimization management strategies, and rich experience in renewable energy applications, high coverage the cloud platform network and convenient payment methods allow green and intelligent travel with you all the way.



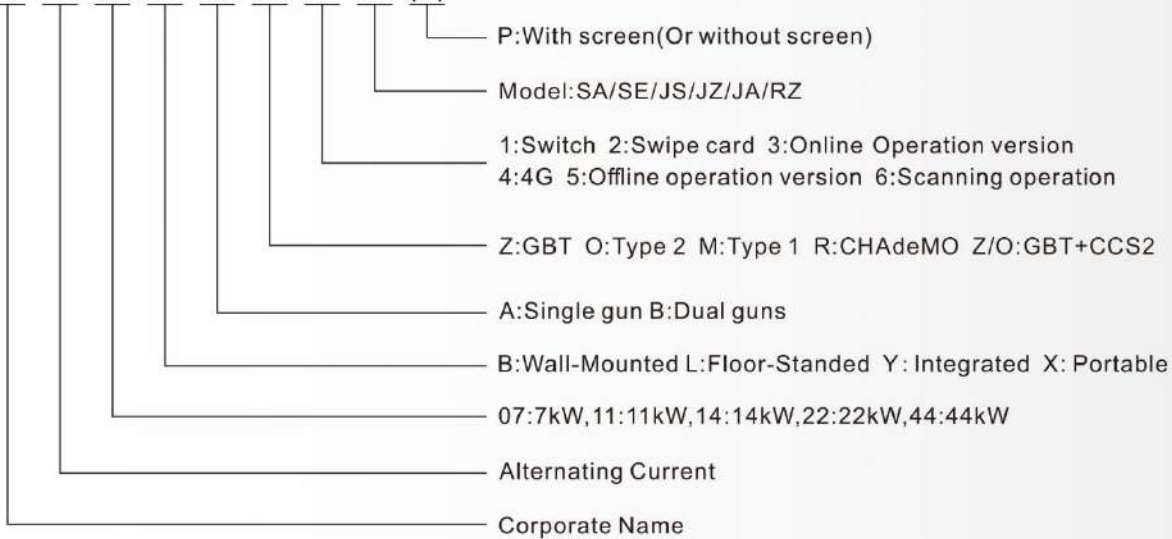
PRODUCT MODEL CODING RULES



Due to the wide variety and models of charging piles produced by the company. We now provide numbering definitions (customized specifications and models) for different charging stations for better management.

AC CODING RULES

AF-AC-00-B-A-Z-1-SC-(P)

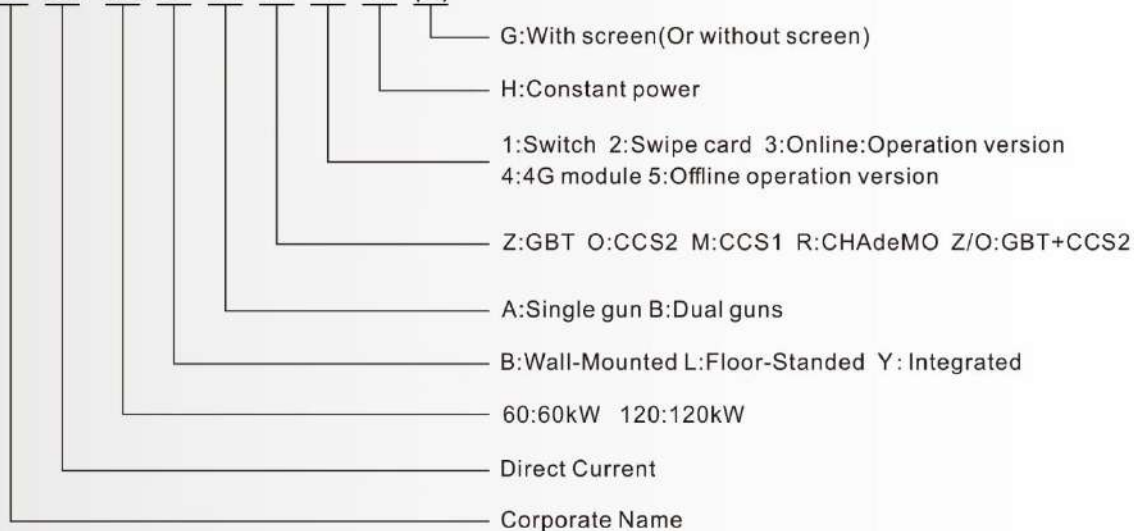


*Note: SA: Plastic charging box SE: Plastic socket type
 JS: Metal cable type JZ: Metal socket type
 JA: Technology style RZ: Plastic type

PRODUCT MODEL CODING RULES

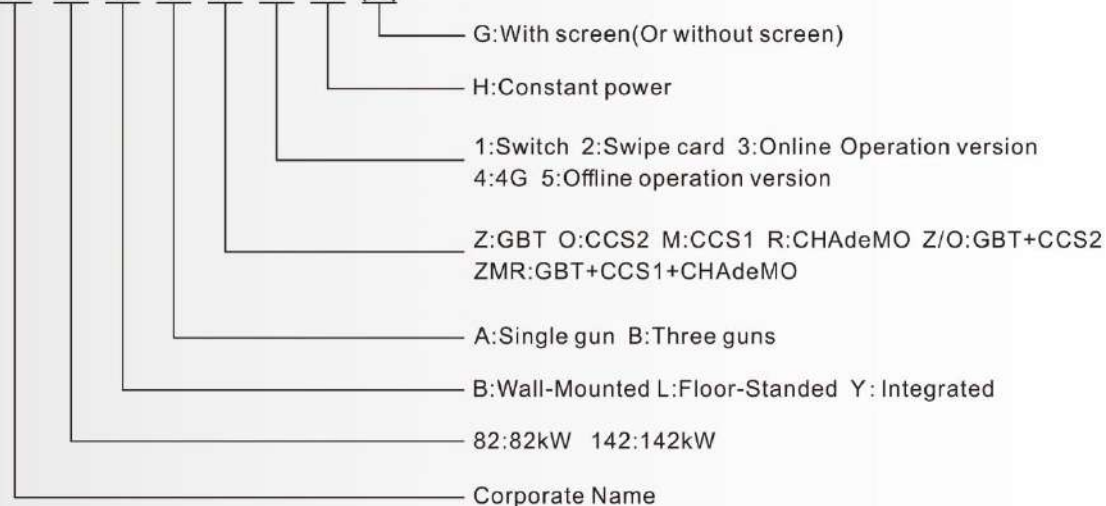
DC CODING RULES

AF-DC-000-B-A-Z-1-H-(G)



AC/DC CODING RULES

AF-000-B-B-ZO-1-H (G)



PRODUCT MODEL
CODING RULES

SPLIT DC CODING RULES

AF-DC-000-F00-A-Z-1-H

H:Constant power

1:Switch 2:Swipe card 3:Online Operation version
4:4G module 5:Offline operation version

Z:GBT O:CCS2 M:CCS1 R:CHAdeMO

A:Single gun B:Dual guns

F12:split type(12 represents the number of guns 12)

240:240kW 720:720kW

Direct Current

Corporate Name

TERMINAL CODING RULES

AF-DC-250A-A-Z-1

1:Switch 2:Swipe card 3:Online Operation version
4:4G module 5:Offline operation version

Z:GBT O:CCS2 M:CCS1 R:CHAdeMO

A:Single gun B:Dual guns

250A:Maximum current 250A 600A:Maximum current 600A

Direct Current

Corporate Name



AC CHARGING SERIES





3.5/7kW Portable AC Charging Box

- Housing material: Thermoplastic, flame retardant grade UL94 V-0
- Terminal: Copper alloy, silver plated on the surface
- Working environment temperature: -20°C~+50°C
- Rated working current: 16A/32A
- Working voltage: 250V
- Insulation resistance: >1000MΩ(DC500V)



J1772(Type1)



IEC62196(Type2)



GB/T 20234

Product Parameter

Product Name	Portable AC Charging Box (Plastic Type)	
Model	AF-AC-3.5kW	AF-AC-7kW
Overall dimensions (mm)	/	
Human-computer interaction	LED indicator strip, or with screen	
AC power supply	220VAC±20%;50±10HZ	
Rated input and output current	16A	32A
Rated output power	3.5kW	7kW
Working environment	Altitude: ≤2000m; Temperature: -20°C~+50°C	
Charging method	Plug and charge	
Networking methods	/	
Operation mode	/	
Executive standard	IEC 62752:2016	
Charging cable length	Standard 5 meters(optional)	
Protection grade	IC-CPD IP67, Vehicle Connector IP54	
Protection function	Overvoltage protection, undervoltage protection, overload protection, grounding protection, overcurrent protection, leakage protection, over temperature protection	



3.5/7kW

Wall-Mounted AC Charging Box

- Housing material: Thermoplastic, flame retardant grade UL94 V-0
- Terminal: Copper alloy, silver plated on the surface
- Working environment temperature: -20°C~+50°C
- Rated working current: 16A/32A
- Working voltage: 250V
- Insulation resistance: >1000MΩ(DC500V)



J1772(Type1) IEC62196(Type2) GB/T 20234

Product Parameter

Product Name	AC Charging Box (Plastic Type)	
Model	AF-AC-3.5-B-A-O-1-SA	AF-AC-07-B-A-O-1-SA
Overall dimensions (mm)	150*150*65 mm	
Human-computer interaction	LED indicator strip	
AC power supply	220VAC±20%;50±10HZ	
Rated input and output current	16A	32A
Rated output power	3.5kW	7kW
Working environment	Altitude: ≤2000m; Temperature: -20°C~+50°C	
Charging method	Plug and charge	
Networking methods	/	
Operation mode	/	
Executive standard	IEC 61851-1:2017; IEC 62196-2:2016	
Charging cable length	Standard 5 meters(optional)	
Protection grade	IP54	
Protection function	Overvoltage protection, undervoltage protection, overload protection, grounding protection, overcurrent protection, leakage protection, over temperature protection	



7kW Wall-Mounted AC Charging Box

- Housing material: Thermoplastic, flame retardant grade UL94 V-0
- Terminal: Copper alloy, silver plated on the surface
- Working environment temperature: -20°C~+50°C
- Rated working current: 32A
- Working voltage: 250V
- Insulation resistance: >1000MΩ(DC500V)



J1772(Type1)



IEC62196(Type2)



GB/T 20234

Product Parameter

Product Name	AC Charging Box (Plastic Type)
Model	AF-AC-07-B-A-O-1-SE
Overall dimensions (mm)	180*130*120 mm
Human-computer interaction	/
AC power supply	220VAC±20%;50±10HZ
Rated input and output current	32A
Rated output power	7kW
Working enviroment	Altitude: ≤2000m; Temperature: -20°C~+50°C
Charging method	Plug and charge
Networking methods	/
Operation mode	/
Executive standard	IEC 61851-1:2017; IEC 62196-2:2016
Charging cable length	/
Protection grade	IP54
Protection function	Overvoltage protection, undervoltage protection, overload protection, grounding protection, overcurrent protection, leakage protection, over temperature protection



3.5/7/11kW

Wall-Mounted/Floor-Standing AC Charging Station

The AC charging station provides AC power with AC 50/60Hz and rated voltage $220V \pm 20\%$. Charging electric vehicles with on-board chargers is mainly suitable for the following places:

- Large, medium and small electric vehicle charging stations;
- All kinds of electric vehicle parking spaces public places, such as urban residential quarters, shopping plazas, power business places, etc.;
- High-speed service areas, stations, docks and other transportation hub areas;
- Real estate and engineering construction acceptance needs.



J1772(Type1)



IEC62196(Type2)



GB/T 20234

Product Parameter

Product Name	AC Charging Station (Plastic Type)		
Model	AF-AC-3.5-B-A-O-1-SF	AF-AC-7-B-A-O-1-SF	AF-AC-11-B-A-O-1-SF
Overall dimensions (mm)	304*191*95mm		
Human-computer interaction	LED indicator strip		
AC power supply	220VAC $\pm 20\%$;50 ± 10 HZ		380VAC $\pm 15\%$
Rated input and output current	16A	32A	16A
Rated output power	3.5kW	7kW	11kW
Working environment	Altitude: ≤ 2000 m; Temperature: $-20^{\circ}\text{C} \sim +50^{\circ}\text{C}$		
Charging method	Plug and charge		
Networking methods	Bluetooth/WIFI/APP		
Operation mode	/		
Executive standard	IEC 61851-1:2017;IEC 62196-2:2016		
Charging cable length	Standard 5 meters(optional)		
Protection grade	IP54		
Protection function	Overvoltage protection, undervoltage protection, overload protection, grounding protection, overcurrent protection, leakage protection, over temperature protection		

NEW



7kW

Wall-Mounted/Floor-Standing AC Charging Station (New Style)

The AC charging station provides AC power with AC 50/60Hz and rated voltage $220V \pm 20\%$. Charging electric vehicles with on-board chargers is mainly suitable for the following places:

- Large, medium and small electric vehicle charging stations;
- All kinds of electric vehicle parking spaces public places, such as urban residential quarters, shopping plazas, power business places, etc.;
- High-speed service areas, stations, docks and other transportation hub areas;
- Real estate and engineering construction acceptance needs.



J1772(Type1)



IEC62196(Type2)



GB/T 20234

Product Parameter

Product Name	AC Charging Station(Plastic Type)New Style
Model	AF-AC-07-B-A-O-1/3/4-MC
Overall dimensions (mm)	430*240*110mm
Human-computer interaction	LED indicator strip
AC power supply	$220VAC \pm 20\%$; $50 \pm 10HZ$
Rated input and output current	32A
Rated output power	7kW
Working environment	Altitude: $\leq 2000m$; Temperature: $-20^{\circ}C \sim +50^{\circ}C$
Charging method	Plug and charge
Communication protocol	OCPP 1.6J
Networking methods	Ethernet/4G/APP/Bluetooth
Operation mode	/
Executive standard	IEC 61851-1:2017; IEC 62196-2:2016
Charging cable length	Standard 5 meters(optional)
Protection grade	IP54
Protection function	Overvoltage protection, undervoltage protection, overload protection, grounding protection, overcurrent protection, leakage protection, over temperature protection



7kW

Wall-Mounted/Floor-Standing AC Charging Station

The AC charging station provides AC power with AC 50/60Hz and rated voltage $220V \pm 20\%$. Charging electric vehicles with on-board chargers is mainly suitable for the following places:

- Large, medium and small electric vehicle charging stations;
- All kinds of electric vehicle parking spaces public places, such as urban residential quarters, shopping plazas, power business places, etc.;
- High-speed service areas, stations, docks and other transportation hub areas;
- Real estate and engineering construction acceptance needs.



J1772(Type1)



IEC62196(Type2)



GB/T 20234

Product Parameter

Product Name	AC Charging Station(Metal Type)		
Model	AF-AC-07-L-A-O-3/4/5/6-JS-P	AF-AC-07-L-A-O-1-JS-P	AF-AC-07-L-A-O-2-JS-P
Overall dimensions (mm)	300*120*450mm		
Human-computer interaction	5 Inch bright color touch screen, LED indicator strip		LED indicator strip
AC power supply	220VAC $\pm 20\%$;50 ± 10 HZ		
Rated input and output current	32A		
Rated output power	7kW		
Working environment	Altitude: ≤ 2000 m; Temperature: $-20^{\circ}\text{C} \sim +50^{\circ}\text{C}$		
Charging method	Swipe card, Scan code	Plug and charge	Swipe card
Communication protocol	OCPP 1.6J		
Networking methods	Ethernet/4G/WIFI		
Operation mode	/		
Charging interface	IEC 61851-1:2017;IEC 62196-2:2016		
Charging cable length	Standard 5 meters(optional)		
Protection grade	IP54		
Protection function	Overvoltage protection, undervoltage protection, overload protection, short circuit protection, grounding protection, over temperature protection, communication abnormality protection, emergency stop protection, and leakage protection		

7/11/22kW

Wall-Mounted/Floor-Standing AC Charging Station



The AC charging station provides AC power with AC 50/60Hz and rated voltage 220V±20%. Charging electric vehicles with on-board chargers is mainly suitable for the following places:

- Large, medium and small electric vehicle charging stations;
- All kinds of electric vehicle parking spaces public places, such as urban residential quarters, shopping plazas, power business places, etc.;
- High-speed service areas, stations, docks and other transportation hub areas;
- Real estate and engineering construction acceptance needs.



J1772(Type1)



IEC62196(Type2)



GB/T 20234

Product Parameter

Product Name	AC Charger Station(Plastic Type)		
Model	AF-AC-07-B-A-O-1/2/3/4/5-RZ-P	AF-AC-11-B-A-O-1/2/3/4/5-RZ-P	AF-AC-22-B-A-O-1/2/3/4/5-RZ-P
Overall dimensions (mm)	400*280*120mm		
Human-computer interaction	LED indicator strip/4.3 inch screen		
AC power supply	220VAC±20%;50±10Hz	380VAC±15%;50±10Hz	380VAC±15%;50±10Hz
Rated input and output current	32A	16A	32A
Rated output power	7kW	11kW	22kW
Working environment	Altitude:≤2000m; Temperature: -20°C~+50°C		
Charging method	Swipe card/Scan code/Plug and charge		
Communication protocol	OCPP 1.6J		
Networking methods	Ethernet/4G/WIFI/Bluetooth		
Operation mode	/		
Executive standard	IEC 61851-1:2017;IEC 62196-2:2016		
Charging cable length	Standard 5 meters(optional)		
Protection grade	IP54		
Protection function	Overvoltage protection, undervoltage protection, overload protection, grounding protection, overcurrent protection, leakage protection, over temperature protection		



11/22kW

Wall-Mounted/Floor-Standing AC Charging Station

The AC charging station provides AC power with AC 50/60Hz and rated voltage $380V \pm 15\%$. Charging electric vehicles with on-board chargers is mainly suitable for the following places:

- Large, medium and small electric vehicle charging stations;
- All kinds of electric vehicle parking spaces public places, such as urban residential quarters, shopping plazas, power business places, etc.;
- High-speed service areas, stations, docks and other transportation hub areas;
- Real estate and engineering construction acceptance needs.



J1772(Type1)



IEC62196(Type2)



GB/T 20234

Product Parameter

Product Name	AC Charging Station(Metal Type)	
Model	AF-AC-11-L-A-O-1/2/3/4/5/6-JS-P	AF-AC-22-L-A-O-1/2/3/4/5/6-JS-P
Overall dimensions (mm)	500*350*130mm	
Human-computer interaction	4.3 Inch touch screen, LED indicator strip	
AC power supply	$380VAC \pm 15\%$; $50 \pm 10Hz$	
Rated input and output current	16A	32A
Rated output power	11kW	22kW
Working enviroment	Altitude: $\leq 2000m$; Temperature: $-20^{\circ}C \sim +50^{\circ}C$	
Charging method	Swipe card/Scan code/Plug and charge	
Communication protocol	OCPP 1.6J	
Networking methods	Ethernet/4G/WIFI	
Operation mode	/	
Charging interface	IEC 61851-1:2017; IEC 62196-2:2016	
Charging cable length	Standard 5 meters(optional)	
Protection grade	IP54	
Protection function	Overvoltage protection, undervoltage protection, overload protection, short circuit protection, grounding protection, over temperature protection, communication abnormality protection, emergency stop protection, and leakage protection	



22/44kW

Wall-Mounted/Floor-Standing AC Charging Station

The AC charging station provides AC power with AC 50/60Hz and rated voltage $380V \pm 15\%$. Charging electric vehicles with on-board chargers is mainly suitable for the following places:

- Large, medium and small electric vehicle charging stations;
- All kinds of electric vehicle parking spaces public places, such as urban residential quarters, shopping plazas, power business places, etc.;
- High-speed service areas, stations, docks and other transportation hub areas;
- Real estate and engineering construction acceptance needs.



J1772(Type1)



IEC62196(Type2)



GB/T 20234

Product Parameter

Product Name	AC Charger Station(Metal Type)	
Model	AF-AC-22-L-B-O-1/2/3/4/5/6-JS-P	AF-AC-44-L-B-O-1/2/3/4/5/6-JS-P
Overall dimensions (mm)	550*430*130 mm	550*430*160 mm
Human-computer interaction	4.3 Inch touch screen, LED indicator strip	
AC power supply	380VAC $\pm 15\%$;50 ± 10 Hz	
Rated input and output current	16A+16A	32A+32A
Rated output power	22kW	44kW
Working environment	Altitude: ≤ 2000 m; Temperature: $-20^{\circ}\text{C} \sim +50^{\circ}\text{C}$	
Charging method	Swipe card/Scan code/Plug and charge	
Communication protocol	OCPP 1.6J	
Networking methods	Ethernet/4G/WIFI	
Operation mode	/	
Charging interface	IEC 61851-1:2017;IEC 62196-2:2016	
Charging cable length	Standard 5 meters(optional)	
Protection grade	IP54	
Protection function	Overvoltage protection, undervoltage protection, overload protection, grounding protection, overcurrent protection, emergency stop protection, leakage protection, over temperature protection	



22/44kW

Integrated AC Charging Station

The AC charging station provides AC power with AC 50/60Hz and rated voltage $380V \pm 15\%$. Charging electric vehicles with on-board chargers is mainly suitable for the following places:

- Large, medium and small electric vehicle charging stations;
- All kinds of electric vehicle parking spaces public places, such as urban residential quarters, shopping plazas, power business places, etc.;
- High-speed service areas, stations, docks and other transportation hub areas;
- Real estate and engineering construction acceptance needs.



J1772(Type1)



IEC62196(Type2)



GB/T 20234

Product Parameter

Product Name	AC Charger Station	
Model	AF-AC-22-Y-B-O-1/2/3/4/5/6-JA-P	AF-AC-44-Y-B-O-1/2/3/4/5/6-JA-P
Overall dimensions (mm)	300*150*1400mm	
Human-computer interaction	4.3-inch high-brightness color touch screen, LED indicator strip	
AC power supply	$380VAC \pm 15\%$; $50 \pm 10Hz$	
Rated input and output current	16A+16A	32A+32A
Rated output power	22kW	44kW
Working environment	Altitude: $\leq 2000m$; Temperature: $-20^{\circ}C \sim +50^{\circ}C$	
Charging method	Swipe card/Scan code/Plug and charge	
Communication protocol	OCPP 1.6J	
Networking methods	Ethernet/4G/WIFI	
Operation mode	/	
Charging interface	IEC 61851-1:2017; IEC 62196-2:2016	
Charging cable length	Standard 5 meters(optional)	
Protection grade	IP54	
Protection function	Overvoltage protection, undervoltage protection, overload protection, grounding protection, overcurrent protection, emergency stop protection, leakage protection, over temperature protection	



14kW

Integrated AC Charging Station

The AC charging station provides AC power with AC 50/60Hz and rated voltage $380V \pm 15\%$. Charging electric vehicles with on-board chargers is mainly suitable for the following places:

- Large, medium and small electric vehicle charging stations;
- All kinds of electric vehicle parking spaces public places, such as urban residential quarters, shopping plazas, power business places, etc.;
- High-speed service areas, stations, docks and other transportation hub areas;
- Real estate and engineering construction acceptance needs.



J1772(Type1)



IEC62196(Type2)



GB/T 20234

Product Parameter

Product Name	AC Charger Station (Socket Type)
Model	AF-AC-14-Y-B-O-3-JA-P
Overall dimensions (mm)	410*240*1400mm
human-computer interaction	4.3-inch bright color touch screen, LED indicator strip
AC power supply	$380VAC \pm 15\%$; $50 \pm 10Hz$
Rated input and output current	32A+32A
Rated output power	14kW
Working enviroment	Altitude: $\leq 2000m$; Temperature: $-20^{\circ}C \sim +50^{\circ}C$
Charging method	Swipe card
Networking methods	Ethernet/4G/WIFI
Operation mode	/
Charging interface	IEC 61851-1:2017; IEC 62196-2:2016
Charging cable length	Standard 5 meters(optional)
Protection grade	IP54
Mode of payment	Automatic charging; credit card charging
Type of cooling	Natural air cooling
Operating humidity	5%~95% No condensation
Protection function	Charging gun temperature detection, over voltage protection, under voltage protection, overload protection, short circuit protection, over temperature protection, low temperature protection, lightning protection, emergency stop protection, leakage protection



DC CHARGING SERIES



Dc integrated charging pile
120KW/H

7/15/20/30KW

Movable DC Charging Station



Portable DC charging station for private use(private cars, logistics vehicles, trucks, etc.) operating companies and car rentals. Delivery in the yard;especially suitable for rapid deployment with limited space.



CCS1



CHAdeMO



CCS2



GB/T

Product Parameter

Product Name	Movable DC Charging Station			
Model	AF-DC-7KW	AF-DC-15KW	AF-DC-20KW	AF-DC-30KW
User Interface	LED Digital tube,LED			
The output voltage	220V-450V	200V-700V	50V-550V	200V-750V
Power factor	≥0.99 (above 50% load)			
HMI	LED indicator			
Working enviroment	Altitude: ≤3000m;Temperature:-20°C~+50°C;			Altitude:≤2000m
Charging method	Plug and charge			
Networking method	/			
Input frequency	45-65Hz			50-60Hz
Protective function	Overvoltage, undervoltage, overcurrentshort circuitsurge, leakage, etc.			
Charging port	IEC 62196			
Cable length	Standard 5 meters(optional)			
Protection level	IP54			IP43
Charging cable length	Standard 5 meters(optional)			



20/30/40kW

Wall-mounted / Floor-standing DC Charging Station

The integrated DC charging station is suitable for urban public charging stations (buses, taxis, official vehicles, sanitation vehicles, logistics vehicles, etc.) urban public charging power stations (private cars, commuter cars, buses) kinds of parking lots, shopping malls, power business places, etc.; inter-city highways road charging stations and other occasions where DC fast charging is required, especially suitable for fast deployment in limited space.



CCS1



CHAdeMO



CCS2



GB/T

Product Parameter

Product Name	DC Charging Station		
Model	AF-DC-020-B-A-O-2-H	AF-DC-030-B-A-O-2-H	AF-DC-040-B-A-O-2-H
Rated power	20kW	30kW	40kW
Installation method	Wall-mounted		
Feeding method	Bottom in and out		
Equipment size	482*660*240mm		
Input voltage	AC380V±15%		
Input frequency	50±10Hz		
Output voltage	200- (750) 1000VDC		
Output current	0-67A	0-100A	0-133A
Charging cable length	5m		
Accuracy	Level 1.0		
Efficiency	≥95%		
Human-computer interaction	4.3 inch bright color touch screen		
Charge mode	Automatic charging/ fixed power/ fixed amount/ fixed time		
Charging method	Swipe card / Scan code / Password		
Networking methods	Ethernet/4G		
Executive standards	IEC 61851-1:2017; IEC 62196-2:2016		
Working environment	Altitude: ≤2000m; Temperature: -20°C~+50°C ;		
Protection level	IP54		
Noise	Forced air cooling		
MTBF	17520h		



30/40kW

Integrated DC Charging Station

The integrated DC charging station is suitable for urban public charging stations (buses, taxis, official vehicles, sanitation vehicles, logistics vehicles, etc.) urban public charging power stations (private cars, commuter cars, buses) kinds of parking lots, shopping malls, power business places, etc.; inter-city highways road charging stations and other occasions where DC fast charging is required, especially suitable for fast deployment in limited space.



CCS1



CHAdeMO



CCS2



GB/T

Product Parameter

Product Name	DC Charging Station	
Model	AF-DC-030-Y-B-O-3/4/5-H	AF-DC-040-Y-B-O-3/4/5-H
Rated power	30kW	40kW
Installation method	Vertical	
Feeding method	Bottom in and out	
Equipment size	1554 (Including base) *620*300 9 mm	
Input voltage	380VAC±15%	
Input frequency	50±10Hz	
Output voltage	200- (750) 1000VDC	
Output current	0-100A	0-133A
Charging cable length	5m	
Accuracy	Level 1.0	
Efficiency	≥95%	
Human-computer interaction	7 inch bright color touch screen	
Charge mode	Automatic charging/fixed power/fixed amount/fixed time	
Charging method	Swipe card /Scan code /Password	
Networking methods	Ethernet/4G	
Executive standards	IEC 61851-1:2017;IEC 62196-2:2016	
Working environment	Altitude: ≤2000m;Temperature:-20°C~+50°C ;	
Protection level	IP54	
Noise	Forced air cooling	
MTBF	17520h	
Communication protocol	OCPP 1.6J	



120/160kW

Integrated DC Charging Station

The integrated DC charging station is suitable for urban public charging stations (buses, taxis, official vehicles, sanitation vehicles, logistics vehicles, etc.) urban public charging power stations (private cars, commuter cars, buses) kinds of parking lots, shopping malls, power business places, etc.; inter-city highways road charging stations and other occasions where DC fast charging is required, especially suitable for fast deployment in limited space.



CCS1



CHAdeMO



CCS2



GB/T

Product Parameter

Product Name	DC Charging Station	
Model	AF-DC-120-Y-B-O-3/4/5-H	AF-DC-160-Y-B-O-3/4/5-H
Rated power	120kW	160kW
Installation method	Vertical	
Feeding method	Bottom in and out	
Equipment size	750*550*1700mm	
Input voltage	380VAC±15%	
Input frequency	50±10Hz	
Output voltage	200-(750)1000VDC	
Output current	0-200A	
Charging cable length	5m	
Accuracy	Level 1.0	
Efficiency	≥95%	
Human-computer interaction	7 inch bright color touch screen	
Charge mode	Automatic charging/fixed power/fixed amount/fixed time	
Charging method	Swipe card /Scan code /Password	
Networking methods	Ethernet/4G	
Executive standards	IEC 61851-1:2017;IEC 62196-2:2016	
Working environment	Altitude: ≤2000m; Temperature: -20°C~+50°C ;	
Protection level	IP54	
Noise	Forced air cooling	
MTBF	17520h	
Communication protocol	OCPP 1.6J	

60-240kW

Integrated DC Charging Station



The integrated DC charging station is suitable for urban public charging stations (buses, taxis, official vehicles, sanitation vehicles, logistics vehicles, etc.) urban public charging power stations (private cars, commuter cars, buses) kinds of parking lots, shopping malls, power business places, etc.; inter-city highways road charging stations and other occasions where DC fast charging is required, especially suitable for fast deployment in limited space.



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Product Parameter

Product Name	DC Charging Station	
Model	AF-DC-060/080/120/160-Y-B-O-3/4/5-H	AF-DC-180/240-Y-B-O-3/4/5-H
Rated power	60/80/120/160kW	180/240kW
Installation method	Vertical	
Feeding method	Bottom in and out	
Equipment size	1620*750*560mm	1800*800*600mm
Input voltage	380VAC±15%	
Input frequency	50±10Hz	
Output voltage	200- (750) 1000VDC	
Output current	0-200A	
Charging cable length	5m	
Accuracy	Level 1.0	
Efficiency	≥95%	
Human-computer interaction	7 inch bright color touch screen	
Charge mode	Automatic charging/fixed power/fixed amount/fixed time	
Charging method	Swipe card /Scan code /Password	
Networking methods	Ethernet/4G	
Executive standards	IEC 61851-1:2017;IEC 62196-2:2016	
Working environment	Altitude: ≤2000m; Temperature: -20°C~+50°C ;	
Protection level	IP54	
Noise	Forced air cooling	
MTBF	17520h	
Communication protocol	OCPP 1.6J	

320-360kW

Integrated DC Charging Station



The integrated DC charging station is suitable for urban public charging stations (buses, taxis, official vehicles, sanitation vehicles, logistics vehicles, etc.) urban public charging power stations (private cars, commuter cars, buses) kinds of parking lots, shopping malls, power business places, etc.; inter-city highways road charging stations and other occasions where DC fast charging is required, especially suitable for fast deployment in limited space.



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Product Parameter

Product Name	DC Charging Station	
Model	AF-DC-320-Y-B-O-4-H	AF-DC-360-Y-B-O-4-H
Rated power	320kW	360kW
Installation method	Vertical	
Feeding method	Bottom in and out	
Equipment size	1000*900*1850mm	
Input voltage	380VAC±15%	
Input frequency	45-65Hz	
Output voltage	DC200-1000V	
Output current	0-250A	
Charging cable length	5m	
Accuracy	Level 1.0	
Efficiency	≥95%	
Human-computer interaction	4.3-inch bright color touch screen, LED Indicator	
Charge mode	Automatic charging full / Fixed power / Fixed Amount / Fixed time	
Charging method	Swipe Card / Scan code	
Networking methods	Ethernet/4G	
Executive standards	IEC 61851-1:2017; IEC 62196-2:2016	
Working environment	Altitude: ≤2000m; Temperature: -20°C~+50°C ;	
Protection level	IP54	
Noise	Forced air cooling	
MTBF	17520h	

240-720kW Flexible Charging Stack



The integrated DC charging station is suitable for urban public charging stations (buses, taxis, official vehicles, sanitation vehicles, logistics vehicles, etc.) urban public charging power stations (private cars, commuter cars, buses) kinds of parking lots, shopping malls, power business places, etc.; inter-city highways road charging stations and other occasions where DC fast charging is required, especially suitable for fast deployment in limited space.



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Product Parameter

Product Name		DC Charging Station							
Model		AF-DC-240-F4	AF-DC-360-F6	AF-DC-480-F8	AF-DC-600-F10	AF-DC-720-F12	AF-DC-200A-A	AF-DC-200A-B	
Rated power		Host					Terminal		
		240kW	360kW	480kW	600kW	720kW	Single gun	Double gun	
Output voltage		DC 200- (750) 1000V							
Input current		0-480A	0-720A	0-960A	0-1200A	0-1440A	5-200A		
Output current	DC 750V	5-600A	5-900A	5-1200A	5-1500A	5-1800A			
	DC 1000V	5-800A	5-1200A	5-1600A	5-2000A	5-2400A			
Input voltage		380VAC±15%					DC 50-750V/50-1000V		
Input frequency		50±10Hz							
Feeding Method		Bottom in and out							
Equipment size		1000*800*2000mm			1300*1000*2200mm		400*240*1500mm		
Charging cable length		5m							
Accuracy		Level 1.0							
Efficiency		≥95%							
Human-computer interaction		LED Indicator				7-inch bright color touch screen			
Charge mode		Automatic charging/Fixed battery/Fixed amount							
Charging method		Scan code/VIN code/swipe card(limited)/password(for maintenance)							
Networking methods		/					Ethernet/4G		
Protection level		IP54							
Working environment		Altitude: ≤2000m; Temperature: -20°C~+50°C ;							

480-960kW

Liquid Cooling Charging Stack



The integrated DC charging station is suitable for urban public charging stations (buses, taxis, official vehicles, sanitation vehicles, logistics vehicles, etc.) urban public charging power stations (private cars, commuter cars, buses) kinds of parking lots, shopping malls, power business places, etc.; inter-city highways road charging stations and other occasions where DC fast charging is required, especially suitable for fast deployment in limited space.



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Product Parameter

Product Name	DC Charging Station		
Model	Main cabinet	Split terminal	
Rated power	480kW	600/720/960kW	600kW
Installation method	Vertical		
Feeding method	Bottom in and out		
Equipment size	1000*800*2000mm	1300*1000*2200mm	1630*500*370mm
Input voltage	AC380V±15%		DC200-1000V
Input frequency	45-60Hz		
Output voltage	DC200-1000V		
Output current	800/1200/1600/2000/2400/3200A	600A	
Charging cable length	5m		
Accuracy	Level 1.0		
Efficiency	≥94.5%		
Human-computer interaction	7-inch bright color touch screen, LED Indicator		
Charge mode	Automatic charging full / Fixed power / Fixed Amount / Fixed time		
Charging method	Swipe Card / Scan code		
Networking methods	Ethernet/4G		
Executive standards	IEC 61851-1:2017; IEC 62196-2:2016		
Working environment	Altitude: ≤2000m; Temperature: -20°C~+50°C ;		
Protection level	IP54		
Noise	Forced air cooling	Liquid cooling	
MTBF	17520h		

Adapter

European standard to national standard double headed gun



Housing Material: Thermoplastic
 Flame retardant grade: UL94V-0
 Terminals: copper alloy, silver plated on the surface



J1772(Type1)



IEC62196(Type2)



GB/T 20234

Product Parameter

Product Name	Type2-GB/T
Rated Current	16/32A
Operation voltage	250V/480V
Insulation resistance	>500MΩ(DC500V)
Terminal temperature rise	<50K
Withstand voltage	2000V
Contact resistance	0.5mΩ Max
Working Temperature	-30°C~+50°C
Impact of external force	Can afford IM drop
Mechanical life	No-load plug in/out>10000 times
Coupled insertion force	45N<F<100N

Rated current	Cable specification	Remarks
16A Single phase	3X2.5MM ² +1X0.75MM ² TPU, Φ10.5/TPE, Φ13	shell color: white /black optional Cable color: black/orange/green optional
16A Three phase	5X2.5MM ² +1X0.75MM ² TPU, Φ13/TPE, Φ16.3	
32A Single phase	3X6MM ² +1X0.75MM ² TPU, Φ13/TPE, Φ16.3	
32A Three phase	5X6MM ² +1X0.75MM ² TPU, Φ16.3	

Type2-Type2

European standard charging mode three



Housing Material: Thermoplastic
 Flame retardant grade: UL94V-0
 Terminals: copper alloy, silver plated on the surface



J1772(Type1)



IEC62196(Type2)



GB/T 20234

Product Parameter

Product Name	Mode3 charger
Rated Current	16/32A
Operation voltage	250V/480V
Insulation resistance	>1000MΩ
Terminal temperature rise	<50K
Withstand voltage	2000V
Contact resistance	0.5mΩ Max
Working Temperature	-30°C~+50°C
Executive standards	IEC 62196-1-2016/IEC62196-2-2016
Mechanical life	No-load plug in/out>10000 times
Coupled insertion force	45N<F<100N

Rated current	Cable specification	Remarks
16A Single phase	3X2.5mm ² +2X0.5mm ²	shell color: white /black optional Cable color: black/orange optional
16A Three phase	5X2.5mm ² +2X0.5mm ²	
32A Single phase	3X6mm ² +2X0.5mm ²	
32A Three phase	5X6mm ² +2X0.5mm ²	

AC Charge Connector



Housing Material: Thermoplastic
 Flame retardant grade: UL94V-0
 Terminals: copper alloy, silver plated on the surface



J1772(Type1)



IEC62196(Type2)



GB/T 20234

Product Parameter

Product Name	AC Charge Connector
Rated Current	16/32A
Rated Voltage	220V-380V
Number Of Power Pins	5 (PE, L1, L2, L3, N)
Number Of Signal Contacts	<50K
Signal Contact Temperature Rise	≤80N
Plug Cycle	>10000 Times
Working Temperature	-30°C~+50°C
Impact resistance	Can withstand a drop of 1 meter and being crushed by a 2-ton vehicle
Insulation Resistance	>1000MΩ
Protection Level	IP67 (Plug-in, protective cover)
Pin	Aluminum alloy, surface silver plated + top insulation
Shell material	Thermoplastic, flame retardant grade UL94 V-0
shell color	White

Rated current	Cable specification	Remarks
16A Single phase	3X2.5mm ² +1X0.75mm ² TPE, φ 13.5	shell color: white /black optional Cable color: black/orange optional
16A Single phase	5X2.5mm ² +1X0.75mm ² TPE, φ 15.5	
32A Single phase	3X6mm ² +1X0.75mm ² TPE, φ 16.3	
32A Single phase	3X6mm ² +1X0.75mm ² TPE, φ 16.3	

DC Charge Connector



Housing Material: Thermoplastic
 Flame retardant grade: UL94V-0
 Terminals: copper alloy, silver plated on the surface



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Product Parameter

Product Name	DC Charge Connector
Rated Current	80A/125A/200A/250A
Rated Voltage	400/750VDC
Contact Resistance	0.5mΩ Max
Pressure Resistant	3200V
Number Of Signal Contacts	<50K
Signal Contact Temperature Rise	70N < F < 140N
Mechanical Life	No-load plugging and unplugging >1000 times
Working Temperature	-30°C~+50°C
Impact resistance	Can withstand a drop of 1 meter and being crushed by a 2-ton vehicle
Insulation Resistance	>2000MΩ
Protection Level	Ip67
Pin	Aluminum alloy, surface silver plated + top insulation
Shell material	Thermoplastic, flame retardant grade UL94 V-0

Rated current	Cable specification	Remarks
63A/80A	2X16mm ² +16mm ² +3X2X0.75mm ² TPU, φ 26/TPE, φ 32	shell color: white Cable color: black
125A Single phase	2X35mm ² +25mm ² +3X2X0.75mm ² TPU, φ 31.5/TPE, φ 34	
160A Single phase	2X50mm ² +25mm ² +3X2X0.75mm ² TPU, φ 34.5/TPE, φ 37	
200A Single phase	2X70mm ² +25mm ² +3X2X0.75mm ² TPU, φ 37/TPE, φ 40	

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