



MAKE LIFE COLORFUL



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EV Charger Overview



Mobile Travel "new Infrastructure": Three-dimensional, All-round Charging Network

With The Sales Penetration Rate Of Electric Vehicles Exceeding 20%, The Electrification Era Of Automobiles Has Officially Entered A Stage Of Explosive Growth. The Accompanying Change Is That Charging Piles No Longer Rely On Vehicles, But Become An Independent Part Of The City's "Infrastructure". The Role Of Charging Piles Has Officially Shifted From "supporting Role" To "c Position".

Network Architecture Of Multi-level Charging Facilities For Electric Vehicles:

1. Charging Based On Homes And Workplaces: Mainly Ac Low Power (less Than 22kw), Shallow Charging And Shallow Discharge Mode, Meeting 80-90% Of Electric Vehicle Use: Commuting And Other Daily Life Travel;
2. Charging Piles In Public Facilities And Commercial Places: For Temporary Power Replenishment For Passing Customers, Low-power And Medium-power Charging Piles (less Than 50kw), Ac And Dc Are Generally Used;
3. Commercially Operated Super Charging Stations: Service Stations Positioned To Quickly Replenish Power For Commercially Operated Vehicles And Long-distance Travelers. They All Use Dc High-power Fast Charging, Which Can Quickly Restore The Energy Of An Electric Vehicle During A Long-distance Trip. Generally Built In Places With Convenient Transportation;
4. Open And Interconnected Charging Facility Network: Charging Devices Based On Wireless Communication Realize Information Interconnection And Interoperability Through The Voluntary Principle, And Are Open To All Electric Vehicles Using A Shared Charging Model To Provide Maximum Convenience For Electric Travel;
5. Portable Portable Charging Device "portable Charger": Portable Charger Is The "insurance Policy" For Electric Vehicle Owners. It Is Generally A Low-power Ac Charger That Can Be Flexibly Connected To General Electricity Facilities (ordinary Sockets) And Can Be Used In All-weather Environments (Waterproof, Pressure-resistant), Carry It With You In The Car To Meet Contingencies. It Can Also Be Used As An Official Power Supply Device During Long-distance Travel (during Parking).



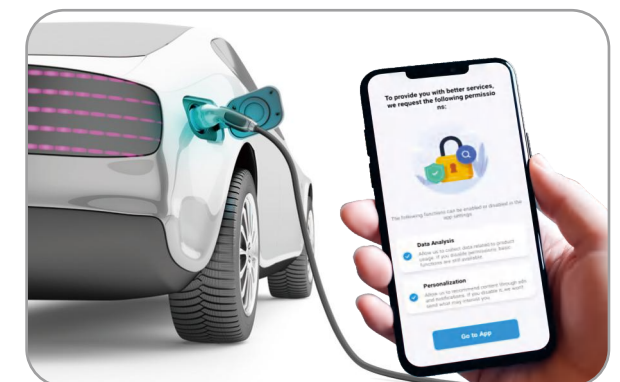
Residential, workplace, business district
Equipment: Low Power AC Charging
Features: High Density, Convenience, Usability



Bus, taxi, power supply station, highway rest stop
Equipment: high-power AC, DC charging
Features: low density, speed, safety

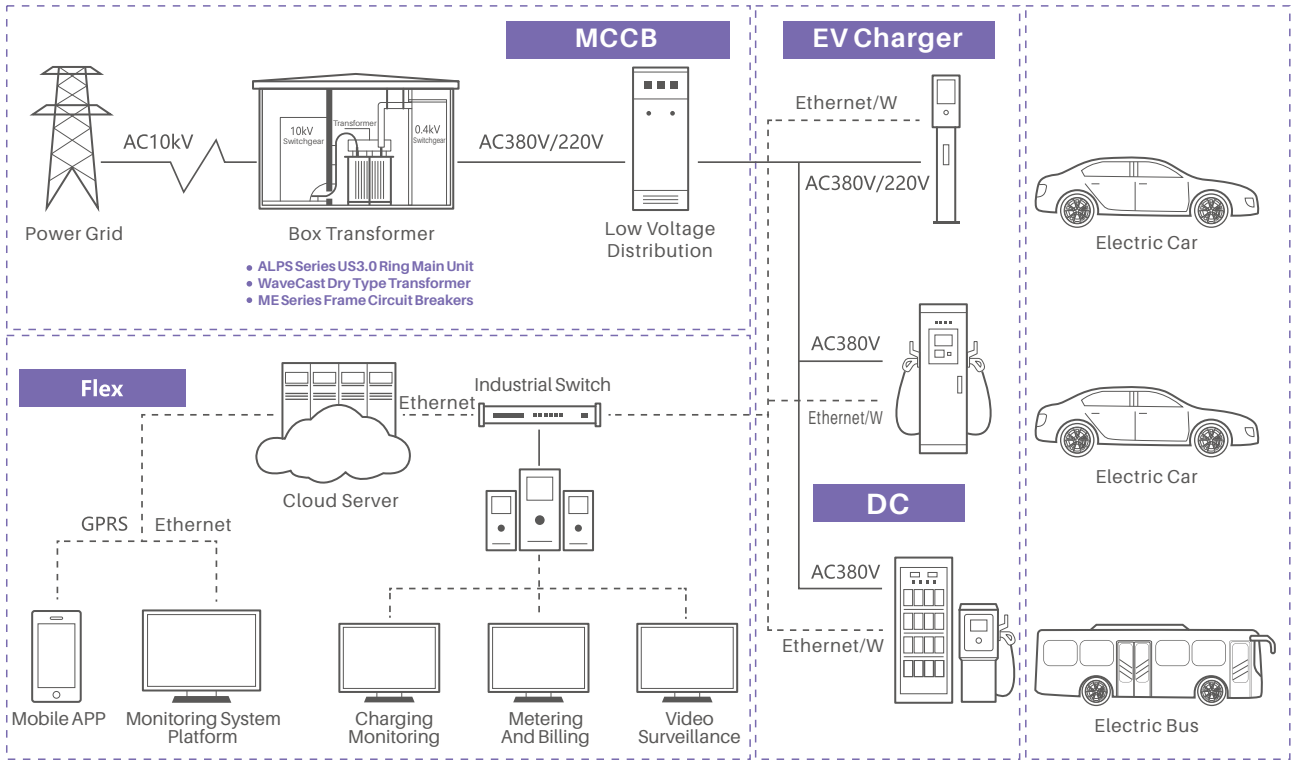


Bus, taxi, power supply station, highway rest stop
Equipment: high-power AC, DC charging
Features: low density, speed, safety

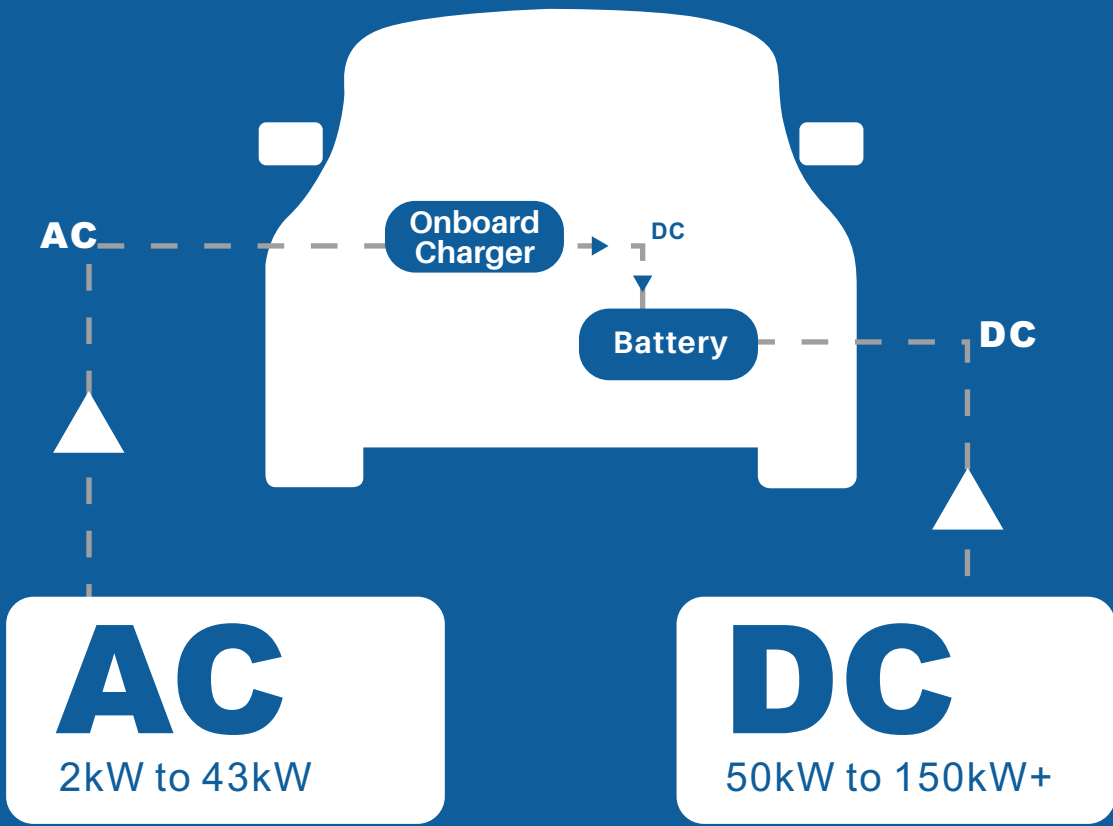


Portable car charger
Equipment: Low Power AC Charging
Features: insurance policy anytime, anywhere

Overall Solution For Charging System



Output Specifications



N AMERICA



J1772
(Type1)

EU



IEC62196-2
(Type2)

N AMERICA



CCS1

EU



CCS2

CHINA



GB/T

ALL MARKET



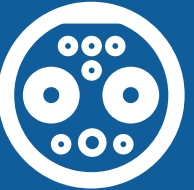
TESLA

JAPAN



CHAdeMO

CHINA



GB/T (DC)



Portable EV Charger

- Type2 Portable EV Charger
- GB/T Portable EV Charger



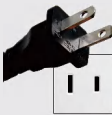
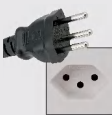
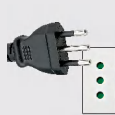
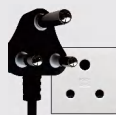
Charging head optional



Type 2



GB/T

Data					
Model	MDAC116ENF		MDAC116ENF-P	MDAC132ENF	MDAC132ENF-P
Working voltage	AC 220/230V			AC 220/230V	
Frequency	50/60Hz			50/60Hz	
Rated power	3.5kW			7kW	
Power supply circuit	1-phase			1-phase	
Rated Maximum Power	16A			32A	
IP Degree	IP65			IP65	
Working Environment					
Environment temperature	-25°C ~ +50°C				
Relative humidity	0-95% non-condensing				
Maximum altitude	<2000m				
Cooling	Natural air cooling				
Function					
Bluetooth	No				
APP	No				
2.8inch LED	NO	YES		NO	YES
RCD	TypeA / Type B (optional)				
LED Indicator light	Yes				
Intelligent power adjustment	Yes				
Fuselage size	200*90*55mm			230*110*60mm	
 Type A  Type B  Type C  Type D  Type E  Type F  Type G  Type H  Type I  Type J  Type K  Type L  Type M  Type N  Type O Plug Can Be Customized					



Capricornus Wallbox EV Charger

- Type2 EV Charger
- GB/T EV Charger



Charging head optional



Type 2



GB/T

Data			
Model	MDAC132EN	MDAC316EN	MDAC332EN
Working voltage	AC 220/230V	AC 380/400V	AC 380/400V
Frequency	50/60Hz	50/60Hz	50/60Hz
Rated power	7kW	11kW	22kW
Power supply circuit	1-phase	3-phase	3-phase
Rated Maximum Power	32A	16A	32A
IP Degree	IP65	IP65	IP65
Cable length	5m		
Working Environment			
Working temperature	-30℃ — + 50℃		
Working humidity	5%~ 95%HR		
Maximum altitude	<2000m		
The cooling way	Natural air cooling		
Product performance			
Over voltage protection, Undervoltage protection, Overload protection, Leakage Protection, Ground protection, Over temperature protection, Lightning protection, Short circuit protection			
Safety standards	GB \ T20234,GB \ T18487,NB \ T33008,NB \ T33002 / IEC61851-21-2:2021		
Applicable environment	Home/Indoor/Outdoor		
Function			
Communication iprotocol.	OCPP1.6		
RCD	Type A / Type B (optional)		
Networking method	4G or Ethernet optional		
Physical size			
Fuselage size	355*250*93mm		
Installation mode	Pillar stand mounted or wall mounted		



Product Name	Product Specifications	Operation version (MDAC 7-22kWp)		
Charging Equipment	Model	MDAC 132EN K	MDAC 316EN K	MDAC 332EN K
	Input voltage	AC 220/230V	AC 380/400V	AC 380/400V
	Input frequency	50/60Hz	50/60Hz	50/60Hz
	Power	7kW	11kW	22kW
	Phase	1-phase	3-phase	3-phase
	Rated Maximum Power	32A	16A	32A
	Specification size mm (L×W×H)	345×195×95.5mm		
	Cable length	5m		
	output method	wring method C		
	Safety standards	GB \ T20234,GB \ T18487,NB \ T33008,NB \ T33002 / IEC61851-21-2:2021		
Safety Design	HMI	4.3 inch screen/LED indicator		
	Protect design	Overvoltage protection, undervoltage protection, short circuit protection, overload protection, grounding protection, overtemperature protection, low temperature protection, lightning protection and leakage protection		
Environmental Design	Applicable environment	Home/Indoor/Outdoor		
	Operating temperature	-20°C~+55°C		
	Working humidity	5% ~ 95% no condensation		
	Maximum altitude	<2000m		
	Protection level	IP54		
	cooling method	natural cooling		
	MTBF	30,000 hours		
	special protection	Anti-UV design		
Function	communication iprotocol.	OCPP1.6		
	RCD	Type A / Type B (optional)		
	Networking method	4G or Ethernet optional		



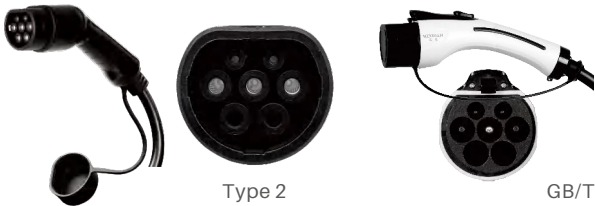
Product Name	Product Specifications	Operation version (MDAC 7kWp)
Charging Equipment	Installation method	Pillar stand or wall-mounted
	Wiring method	top in , bottom out
	Input voltage	AC 220/230V
	Input frequency	50/60Hz
	Power	7kW
	Output current	Max output current / 32A
	Standby power consumption	<6W
	Specification size mm (L×W×H)	321×179.7×106.2mm
	Cable length	5m
	Safety standards	GB \ T20234,GB \ T18487,NB \ T33008,NB \ T33002 / IEC61851-21-2:2021
Safety Design	HMI	LED indicator
	Protect design	Overvoltage protection, undervoltage protection, short circuit protection, overload protection, grounding protection, overtemperature protection, low temperature protection, lightning protection and leakage protection
Environmental Design	Applicable environment	Home/Indoor/Outdoor
	Operating temperature	-20°C~+55°C
	Working humidity	5% ~ 95% no condensation
	Maximum altitude	<2000m
	Protection level	IP54
	cooling method	natural cooling
	MTBF	30,000 hours
	special protection	Anti-UV design
Function	communication iprotocol.	OCPP1.6
	RCD	Type A / Type B (optional)
	Networking method	4G or Ethernet optional



Aquarius Wallbox EV Charger

Plastic/Operations/Home Edition

Charging head optional



Product Name	Product Specifications	Operation version, normal version(MDAC3-7kWp) Simple Version (Home Version MDAC3-7kWS)	
Charging Equipment	Installation method	Pillar stand or wall-mounted	
	route	Bottom in bottom out	
	Input voltage	AC220V±10%, single-phase three-wire system (L+N+PE)	
	input frequency	50±1Hz	
	The output voltage	Single-phase AC220V	
	Rated current	32A	
	output method	Wiring method C	
	Specification size mm (L×W×H)	390×260×125mm	
	cable length	5m	
Feature Design	HMI	4.3-inch display/indicator	none
	Measurement method	Have	
	charging method	Swipe card to charge/scan code to charge	Plug and charge/swipe card charging
	charging settings	none	
	payment method	Credit card payment/ scan code payment	none
	way of communication	Ethernet/4Gnetwork, ordinary version can not be connected to the Internet	485 (reserved)
Safety Design	Protective function	Overvoltage protection, undervoltage alarm, overcurrent protection, short circuit protection,Over temperature protection, lightning protection, emergency stop protection, leakage protection,Relay adhesion detection, CP detection	
	security function	Withstand voltage: AC 2kV, insulation resistance: > 10MΩ	
	safety standard	GB/T20234-2015、 GB/T18487-2015、 GB/T27930-2015、 NB/T33008-2018、 NB/T33002-2018	
Environmental Design	Operating temperature	-20℃~+50℃	
	Relative humidity	5%-95% non-condensing cream	
	Storage temperature	-40℃~+70℃	
	working altitude	≤2000m	
	Protection class	IP54	
	noise control	≤60dB	



Sagittarius Wallbox EV Charger

Operation Edition/Normal Edition

Charging head optional



Product Name	Product Specifications	Operation version(MDAC 7-22kWp)		
Charging Equipment	Model	MDAC4-7kWp	MDAC4-11kWp	MDAC4-22kWp
	Input voltage	AC 220/230V	AC 380/400V	AC 380/400V
	Input frequency	50/60Hz	50/60Hz	50/60Hz
	Power	7kW	11kW	22kW
	Phase	1 -phase	3-phase	3-phase
	Rated Maximum Power	32A	16A	32A
	Specification size mm (L×W×H)	390x260x125mm		
	Cable length	5m		
	output method	wring method C		
Feature Design	Safety standards	GB \ T20234,GB \ T18487,NB \ T33008,NB \ T33002 / IEC61851-21-2:2021		
Safety Design	HMI	4.3 inch screen/LED indicator		
	Protect design	Overvoltage protection, undervoltage protection, short circuit protection, overload protection, grounding protection, overtemperature protection, low temperature protection, lightning protection and leakage protection		
Environmental Design	Applicable environment	Home/Indoor/Outdoor		
	Operating temperature	-20℃+55℃		
	Working humidity	5% ~ 95% no condensation		
	Maximum altitude	<2000m		
	Protection level	IP65		
	cooling method	natural cooling		
	MTBF	30,000 hours		
	special protection	Anti-UV design		
Function	communication iprotocol.	OCPP1.6		
	RCD	Type A / Type B (optional)		
	Networking method	4G or Ethernet optional		



Wallbox Dual EV Charger

14kw-double Charging-wall Mounted



GB/T

Product Name	Product Specifications	14kw-Dual Gun-Wall Mounted(MDAC5)	14kw-dual gun-floor-standing(MDAC5)
Charging Equipment	Equipment size	425×300×117(mm) (Plug and charge, swipe card start, 4G operation)	1400×300×150(mm) (Plug and charge, swipe card start, 4G operation)
	Installation method	Floor mounted/Wall mounted	
	route	Bottom in bottom out	
	Equipment weight (net weight)	29kg	
	cable length	5M	
	Input voltage	AC220V+20%	
	input frequency	50Hz	
	rated power	14kW	
	Measurement accuracy	Level 1	
	The output voltage	AC220V+20%	
	Output current	32A+32A	
	Standby power consumption	<5W	
Feature Design	HMI	4.3 inch color touch screen/LED indicator	
Safety Design	Safety standards	GB\T20234、GB\T18487、NB\T33008、NB\T33002	
	Protective function	Overvoltage protection, undervoltage protection, short circuit protection, overload protection,Grounding protection, over temperature protection, low temperature protection, lightning protection, Leakage Protection	
Environmental Design	Applicable environment	Home/Commercial/Indoor/Outdoor	
	Operating temperature	-20°C - +55°C	
	Working humidity	5% ~ 95% non-condensing	
	working altitude	< 2000m	
	Protection class	IP54	
	cooling method	Free cooling	
	MTTBF	30,000 hours	
	special protection	UV resistant design	



Wallbox DC Charging Pile Series

Wall-mounted



GB/T

Product Specifications		Contents of Technical Instructions (MDDC1)	
rated power	20kW		
output maximum current	50A		
Constant power output voltage range	DC400-750V		
Dimensions(W×H×D) Without uprights	600×450×210mm		
Start method	Plug and Charge		
charging mode	Automatic charging, by time, by power, by amount, etc.		
Display method	7-inch touch display		
Network background	Support State Grid, Cloud Quick Charge, Xiaoju, Weijingyun and other cloud platforms		
Host computer communication	Ethernet (standard)/4G (speed-dating)		
Protective function	Short circuit, over temperature, over current, leakage, input over and under voltage, etc.		
charging method	full power charge		
Input voltage	AC380V±20%		
input frequency	50Hz± 10%Hz		
number of guns	single gun		
gun line length	Standard 5 meters (optional)		
Output voltage range	DC150-750V adjustable		
Output voltage error	≤±0.5%		
Output current error	≤±1%		
Voltage regulation accuracy	≤±0.5%		
Steady flow accuracy	≤±1%		
Harmonic content	≤±5%		
power factor	≥0.99		
efficiency	≥95%		
Electric energy metering	Grade 1.0 meets GB standard		
Insulation resistance	≥20MΩ		
noise	≤60dB		
Protection class	IP54		
Use environment	outdoor or indoor		
cooling method	air cooling		
Operating temperature	-20°C~+50°C		
Storage temperature	-40°C~+70°C		
Relative humidity	5%~95%		
Altitude	≤2000m		
Installation method	Wall Mount/Vertical Mount		



Aries DC Charging Pile Series

floor-standing



CCS2



GB/T

Product Specifications	Contents of Technical Instructions (MDDC)	
rated power	30kW	40kW
number of guns	Single or double guns	Single or double guns
Single gun output maximum current	63A/50A*2	80A/50A*2
Stake line length	Standard 5 meters (optional)	
Dimensions	1720×550×200mm (W×H×D)	
Display method	7-inch touch display	
Host computer communication	Ethernet/4G (Speed Dating)	
charging mode	Automatic charging, by time, by power, by amount, etc.	
Start method	Swipe IC card, scan QR code (APP, WeChat, etc.)	
Protective function	Short circuit, over temperature, over current, leakage, over and under voltage, etc.	
charging method	Full power charging, AB equalizing charging, wheel charging	
Network background	Support cloud platforms such as State Grid, Cloud Quick Charge, Xiaoju, Weijingyun, etc.	
Input voltage	AC 380/400V	
input frequency	50/60Hz	
Output voltage range	Single Gun : DC 150-1000V / Double guns : DC 150-750V	
Output voltage error	≤±0.5%	
Output current error	≤±1%	
Voltage regulation accuracy	≤±0.5%	
Steady flow accuracy	≤±1%	
Harmonic content	≤±5%	
power factor	≥0.99	
efficiency	≥95%	
Electric energy metering	Grade 1.0 meets GB standard	
Insulation resistance	≥100M	
noise	≤60dB	
Protection class	IP54	
Use environment	outdoor or indoor	
cooling method	air cooling	
operating temperature	-35℃~-+50℃	
Storage temperature	-40℃~-+70℃	
Relative humidity	5%~95%	
Altitude	≤2000m	
Installation method	Floor standing	



Gemini DC Charging Pile Series

floor-standing



Charging head optional



CCS2



GB/T

Product Specifications	Contents of Technical Instructions (MDDC)	
rated power	60kW	80kW
number of guns	Single or double guns	Single or double guns
output maximum current	125A/100A*2	200A/133.3A*2
Stake line length	Standard 5 meters (optional)	
Dimensions	1700×750×400mm (W×H×D)	
Display method	7-inch touch display	
Host computer communication	Ethernet/4G (Speed Dating)	
charging mode	Automatic charging, by time, by power, by amount, etc.	
Start method	Swipe IC card, scan QR code (APP, WeChat, etc.)	
Protective function	Short circuit, over temperature, over current, leakage, over and under voltage, etc.	
charging method	Full power charging, AB equalizing charging, wheel charging	
Network background	Support cloud platforms such as State Grid, Cloud Quick Charge, Xiaoju, Weijingyun, etc.	
Input voltage	AC 380/400V	
input frequency	50/60Hz	
Output voltage range	DC150-1000V adjustable	
Output voltage error	≤±0.5%	
Output current error	≤±1%	
Voltage regulation accuracy	≤±0.5%	
Steady flow accuracy	≤±1%	
Harmonic content	≤±5%	
power factor	≥0.99	
efficiency	≥95%	
Electric energy metering	Grade 1.0 meets GB standard	
Insulation resistance	≥100M	
noise	≤60dB	
Protection class	IP54	
Use environment	outdoor or indoor	
cooling method	air cooling	
Operating temperature	-35℃~-+50℃	
Storage temperature	-40℃~-+70℃	
Relative humidity	5%~95%	
Altitude	≤2000m	
Installation method	Floor standing	



Virgo DC Charging Pile Series

floor-standing

Charging head optional



CCS2



GB/T



Product Specifications	Contents of Technical Instructions (MDDC)		
rated power	120kW/160kW	240kW/320kW	360kW/400kW/480kW
Single gun output maximum current	250A		
Double gun output maximum current	250A×2		
Dimensions	1700×750×550mm(W×H×D)	1800×750×710mm(W×H×D)	
payment method	Swipe card, scan QR code, password		
charging method	Automatic charging, by time, by power, by amount, etc.		
Display method	7-inch touch display		
Networking	Ethernet/4G (Speed Dating)		
Network background	Support State Grid, Cloud Quick Charge, Xiaoju, Weijingyun and other cloud platforms		
Protective function	Short circuit, over temperature, over current, leakage, input over and under voltage, etc.		
Input voltage	AC 380/400V		
input frequency	50/60Hz		
number of guns	double gun		
gun line length	Standard 5 meters (optional)		
Output voltage range	DC150-1000V adjustable		
Output voltage error	≤±0.5%		
Output current error	≤±1%		
Voltage regulation accuracy	≤±0.5%		
Steady flow accuracy	≤±1%		
Harmonic content	≤±5%		
power factor	≥0.99		
efficiency	≥95%		
Electric energy metering	Grade 1.0 meets GB standard		
Insulation resistance	≥100MΩ		
noise	≤65dB		
Protection class	IP54		
Use environment	outdoor or indoor		
cooling method	air cooling		
Operating temperature	-35℃~-+50℃		
storage temperature	-40℃~-+70℃		
Relative humidity	5%~95%		
Altitude	≤2000m		
Installation method	Floor standing		



Cancer DC Charging Pile Series

floor-standing

Charging head optional



CCS2



GB/T



Product Specifications	Contents of Technical Instructions (MDDC)			
rated power	60kW	80kW	120kW	160kW
Single gun output maximum current	125A	200A	250A	250A
Double gun output maximum current	100A*2	133.3A*2	200A*2	250A*2
Dimensions	1730*750*470mm(W×H×D)		1730*750*600mm(W×H×D)	
payment method	Swipe card, scan QR code, password			
charging method	Automatic charging, by time, by power, by amount, etc.			
Display method	7-inch touch display			
Networking	Ethernet/4G (Speed Dating)			
Network background	Support State Grid, Cloud Quick Charge, Xiaoju, Weijingyun and other cloud platforms			
Protective function	Short circuit, over temperature, over current, leakage, input over and under voltage, etc.			
Input voltage	AC 380/400V			
input frequency	50/60Hz			
number of guns	double gun			
gun line length	Standard 5 meters (optional)			
Output voltage range	DC 150-1000V adjustable			
Output voltage error	≤±0.5%			
Output current error	≤±1%			
Voltage regulation accuracy	≤±0.5%			
Steady flow accuracy	≤±1%			
Harmonic content	≤±5%			
power factor	≥0.99			
efficiency	≥95%			
Electric energy metering	Grade 1.0 meets GB standard			
Insulation resistance	≥100MΩ			
noise	≤65dB			
Protection class	IP54			
Use environment	outdoor or indoor			
cooling method	air cooling			
Operating temperature	-35℃~+50℃			
storage temperature	-40℃~+70℃			
Relative humidity	5%~95%			
Altitude	≤2000m			
Installation method	Floor standing			

Charger Adapter



Type 2 to GB T



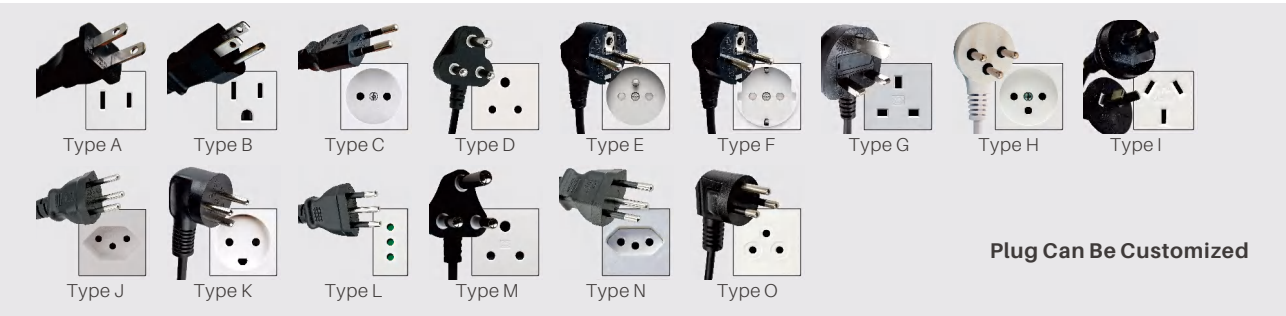
Type 2 charger plug



Adaptor for GB/European Standard

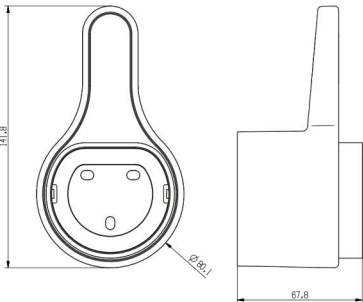


GB type charger plug



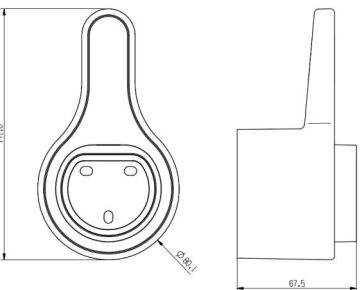
Charger Accessories

Base for Type 2 plug



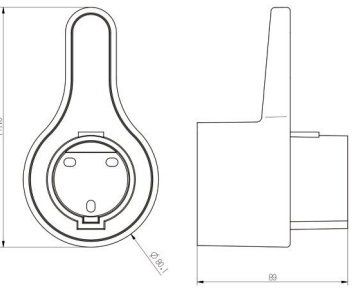
size

Base for GB type plug



size

Base for Type 1 plug



size