SANO ENERGY

EV charging station

Provider of EV charging station, photovaltic and energy storage solutions
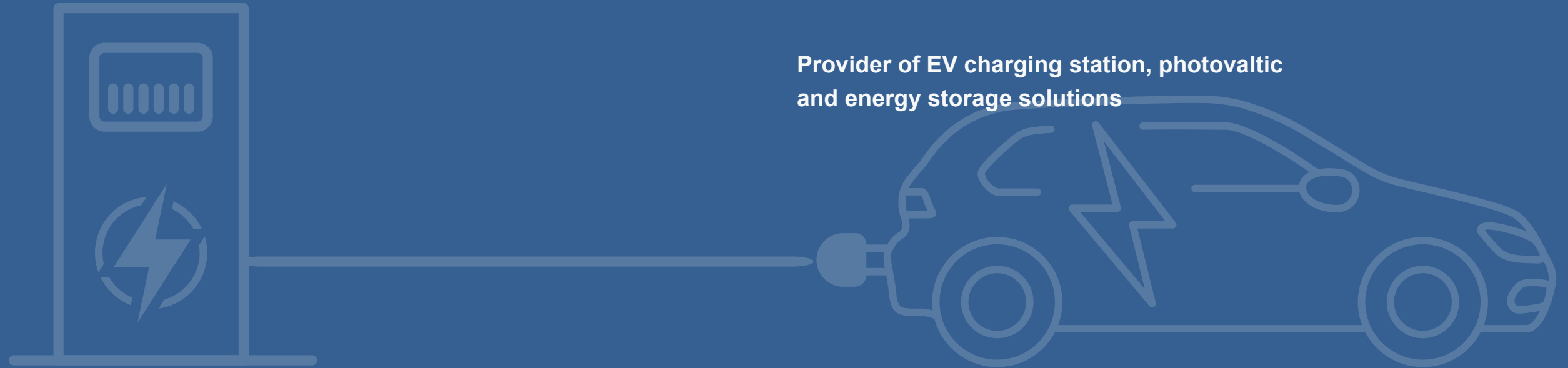
TÜV SÜD | CE | RoHS | TR-25 | UL

SANO ENERGY

ABOUT OUR COMPANY

As a leading professional manufacturer andservice provider of smart power energy solutions, with a primary focus one-mobility products research and development，design and manufacture, such as power modules DC chargers, and AC chargers. SANO ENERGY isdedicated to serving electric vehicle users and offers convenient chargingsolutions to streamline the charging process.

CCS1, CCS2, CHAdeMo, NACS and GB standard EV charging products can beproduced by SANO ENERGY. And the EV chargers have been got CE(Europe) certifiedby TUV, UL&ETL FCC (North American), RCM (Australia), UKCA (UK), KC (SouthKorea) and so on.

SANO ENERGY have 130+ Engineers R & D team and awarded more than 180+ smart charger patents and 120+ smart power energy patents. Invested moresmart power factories to preface the smart power industrial chains, who certificatedby ISO9001 system, OHSAS18001 system and ISO14001 system

Our Advantages

Customized services and production

– We can provide customers with full–scenario customized services and production solutions covers CCS, GB/T CHAdeMO & NACS. And can configurable with OCPP/DLB protocols.Empowering global charging is the driving force of Max Power. our products have been exported to markets worldwide, energizing the globe charging with our enthusiasm.

R&D Strength

– 20+ R&D engineers, including hardware, software, mechanic, testing, artwork modeling, demonstrating strong customization capabilities;
– Master the core technology of products, complete product series, including DCAC, high voltage and low voltage, woldwide charging standards, strong technical expertise enabling robust customization capabilities.

Quality control

– Complete quality system certification (GB/T19001–2016/ ISO 9001:2015; GB/T24001–2016/ISO14001:2015;GB/T45001–2020 / ISO 45001:2018; GB/T 19022–2003/ISO10012:2023)
– Complete product certification (TUV/CQC/CE/3C/SGS/ETC.)
– All products are insured (Ping An Insurance)

After-sales service

– AI customer service: Instant service with zero time difference, extensive knowledge base, and no unanswered queries;
– After–sales platform: remote diagnosis, providing zero–distance service to solve customer problems.

Sold directly from the factory

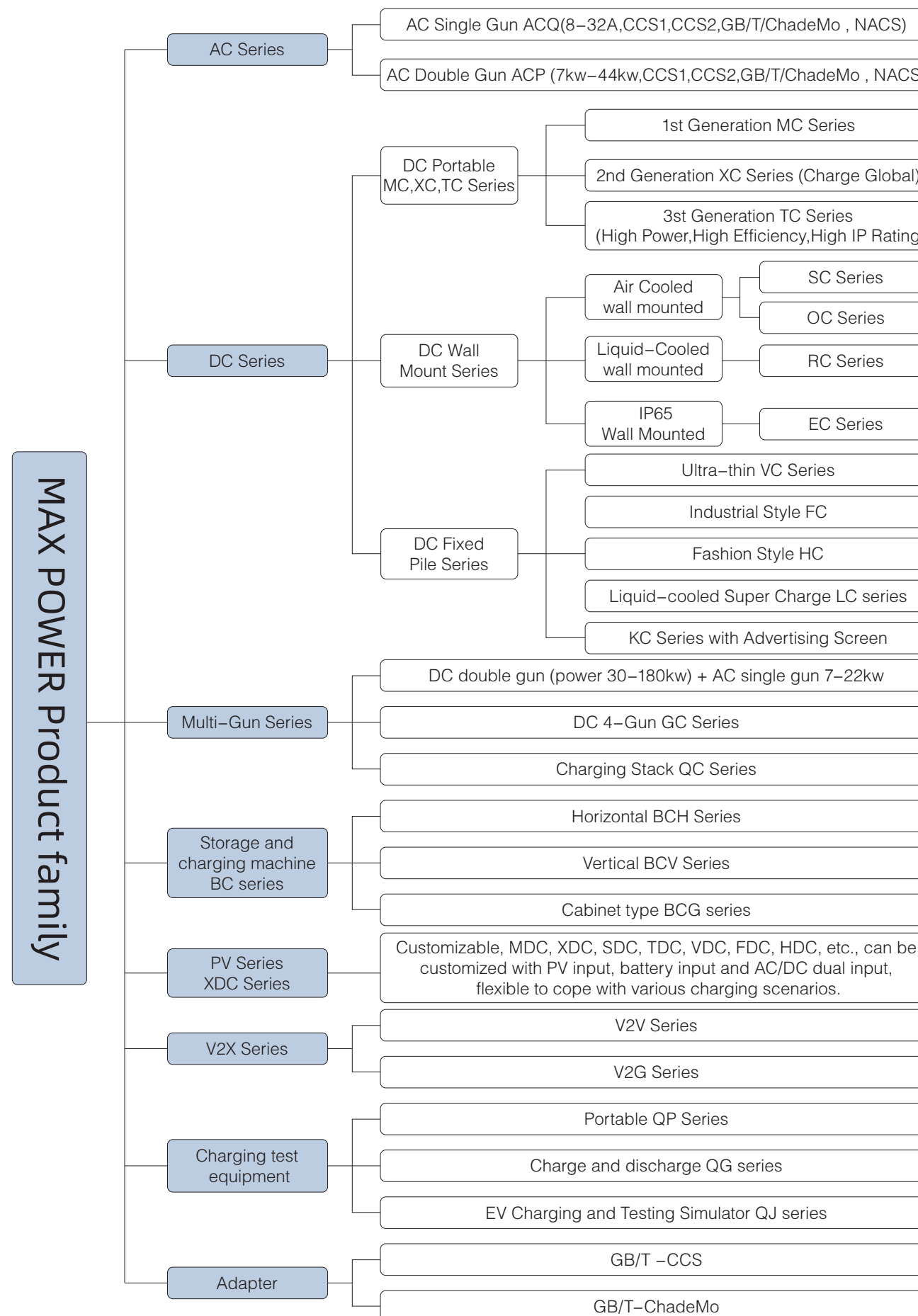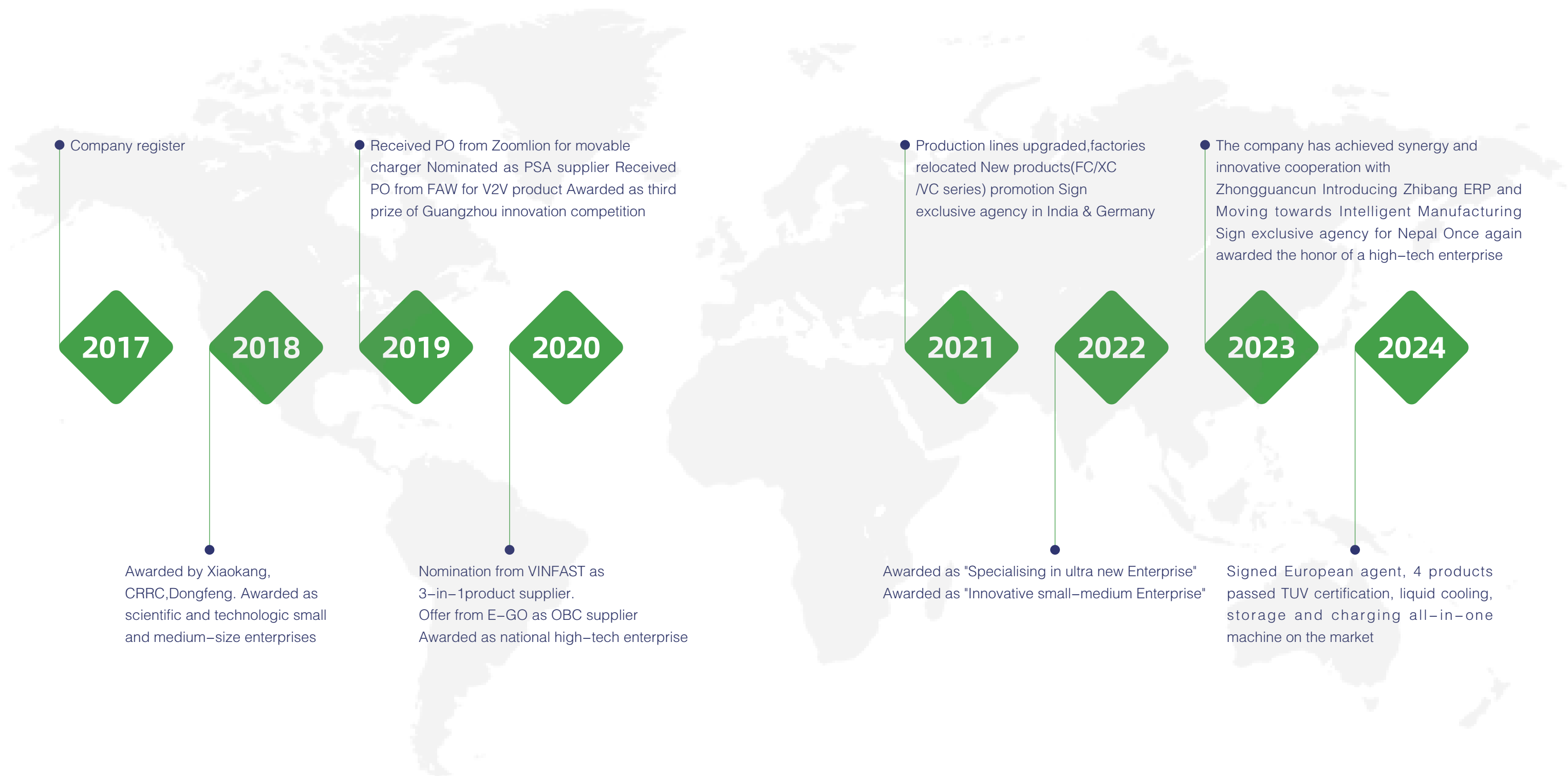– No minimum order, 1 piece is fine. Smaller orders can also be customized.

CCS1	CCS2	CHAdeMO	GB/T	NACS

MAX POWER Product family

- AC Series
  - AC Single Gun ACQ(8–32A,CCS1,CCS2,GB/T/ChadeMo , NACS)
  - AC Double Gun ACP (7kw–44kw,CCS1,CCS2,GB/T/ChadeMo , NACS)
- DC Series
  - DC Portable MC,XC,TC Series
    - 1st Generation MC Series
    - 2nd Generation XC Series (Charge Global)
    - 3st Generation TC Series (High Power,High Efficiency,High IP Rating)
  - DC Wall Mount Series
    - Air Cooled wall mounted
      - SC Series
      - OC Series
    - Liquid–Cooled wall mounted
      - RC Series
    - IP65 Wall Mounted
      - EC Series
  - DC Fixed Pile Series
    - Ultra–thin VC Series
    - Industrial Style FC
    - Fashion Style HC
    - Liquid–cooled Super Charge LC series
    - KC Series with Advertising Screen
- Multi–Gun Series
  - DC double gun (power 30–180kw) + AC single gun 7–22kw
  - DC 4–Gun GC Series
  - Charging Stack QC Series
- Storage and charging machine BC series
  - Horizontal BCH Series
  - Vertical BCV Series
  - Cabinet type BCG series
- PV Series XDC Series
  - Customizable, MDC, XDC, SDC, TDC, VDC, FDC, HDC, etc., can be customized with PV input, battery input and AC/DC dual input, flexible to cope with various charging scenarios.
- V2X Series
  - V2V Series
  - V2G Series
- Charging test equipment
  - Portable QP Series
  - Charge and discharge QG series
  - EV Charging and Testing Simulator QJ series
- Adapter
  - GB/T –CCS
  - GB/T–ChadeMo

Our history

2017
- Company register

2018
Awarded by Xiaokang, CRRC,Dongfeng. Awarded as scientific and technologic small and medium-size enterprises

2019
- Received PO from Zoomlion for movable charger Nominated as PSA supplier Received PO from FAW for V2V product Awarded as third prize of Guangzhou innovation competition

2020
Nomination from VINFAST as 3-in-1product supplier.
Offer from E-GO as OBC supplier
Awarded as national high-tech enterprise

2021
- Production lines upgraded,factories relocated New products(FC/XC /VC series) promotion Sign exclusive agency in India & Germany

2022
Awarded as "Specialising in ultra new Enterprise"
Awarded as "Innovative small-medium Enterprise"

2023
- The company has achieved synergy and innovative cooperation with Zhongguancun Introducing Zhibang ERP and Moving towards Intelligent Manufacturing Sign exclusive agency for Nepal Once again awarded the honor of a high-tech enterprise

2024
Signed European agent, 4 products passed TUV certification, liquid cooling, storage and charging all-in-one machine on the market

SANO ENERGY

DC Charging Station (SC+OC Series)

Patented design

– Utility model and appearance patented products; small and thin products.
– Unique air duct design, in and out of the air duct isolation, improve product reliability.

Safe and secure

– IP54 protection grade + IK8 anti–collision grade; it can be moisture–proof, water–proof, mold–proof, dust–proof, flame retardant and so on;
– At the same time with over–voltage, overload, short circuit, leakage, battery anti–reverse and other protection functions.

Rich Configuration

– Supports OCPP, DLB (Dynamic Load Balancing), RFID, 4G, LAN, WIFI, Bluetooth, Reservation, Password, Cloud Platform Charging and more.

Wide range of applications

– Can be wall–mounted, can be on the column, can be home, can also be commercial, flexible applications.

fast charging   CE@TUV

TUV Certificate Number:
    No. N8A 115015

SC Series

SC Series

Product Parameters

Product Model	SC07750(OC07750)	SC201K(OC201K)	SC301K(OC301K)	SC401K(OC401K)
Rating	7KW	20KW	30KW	40KW
Output voltage	200–750V	200–1000V		
Input Voltage	90–265V	260–475V (480V optional)		
Input Current	32A	30A	45A	64A
Output Current	20A	60A	100A	133A
User interface	4.3–inch touchscreen Display			
Sizes(mm)	545*380*170	645*454*170		721*475*232
Ancillary sources	12V(24VOptional)			
IP Rating	IP54			
Work efficiency	95%			
Power factor	>99%(Rated voltage& full power)			
Weights	20KG	35KG	45KG	64KG
network protocol	OCPP1.6J			
Operating temperature	−25℃ ~+50℃ (Derated above 50℃ , can be equipped with a heater in the cold area.)			
Height above sea level	2000M			
Network connection	wifi,bluetooth,4G,LAN			
Operating humidity	5%−90%RH,non−condensing			
Input line length	0M(Wire length can be customized)			
Charge Gun Cable Length	5M (Cable length can be customized)			
Applicable standards	GB/T20234/EN62196/EN61851−1,JEVSG 105/CHAdeMO			
Communication protocols	GB/T27930/CHAdeMO2.0/DIN70121,ISO 15118			

DC Charging Station(JC Series)

Rich Configuration

– 4–digit digital tube navigation, plug–and–play, swipe start, also can be remote cell phone APP control;
– Bluetooth/WiFi connection, also supports DLB (Dynamic Load Balancing).

Safe and stable

– IP54 protection level, can be moisture–proof, waterproof, mold–proof, dust–proof, flame retardant and so on;
– At the same time with over–voltage, overload, short circuit, leakage, battery anti–reverse and other protection functions.

Smart charging

– Automatic full/quantitative charging/timed charging/priced charging.

Fast deployment

– It has a small footprint and intelligent appliances for home use, and is also suitable for commercial office buildings.

CCS1　CCS2

GB/T　CHAdeMO　NACS
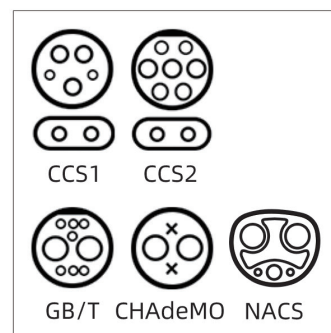
Customization Of
Global Charging Standards

IP54 protection　fast charging

Can be wall-mounted/pillar-mounted

Product Parameters

Product Model	JC07750
Rating	7KW
Output voltage	200–750V
Input Voltage	90–265V
Input Current	32A
Output Current	20A
Input wiring	L+N+PE
Frequency	50–60HZ
Power factor	>99%(Rated voltage& full power)
Work efficiency	95%
User interface	Digital tube
Sizes (mm)	540*340*130
Weights	27KG
Ancillary sources	12V(24V Optional)
Operating temperature	−25℃ ~+50℃ (DeRating above 50℃ , with heater for very cold areas)
Height above sea level	2000M
IP Rating	IP54
Human–computer interaction	WIFI,Bluetooth,APP
Input line length	0M(Wire length can be customized)
Charge Gun Cable Length	5M (Cable length can be customized)
Applicable standards	GB/T20234/EN62196/EN61851−1,JEVSG 105/CHAdeMO
Communication protocols	GB/T27930/CHAdeMO2.0/DIN70121,OCPP 1.6(JSON),ISO 15118

Mobile DC Charging Station (MC Series)

Mobile and portable + unique air duct design

– Small size, light weight, movable, charging anytime and anywhere;.
– Unique air duct design, hot and cold air duct isolation, enhance the efficiency of heat transfer,
 product performance is more stable; easy to maintain.

Safe and secure

– IP43 protection grade + IK8 anti–collision grade; it can be moisture–proof, water–proof,
mold–proof, dust–proof, flame retardant and so on;
– At the same time with over–voltage, overload, short circuit, leakage, battery anti–reverse and
other protection functions.

Rich Configuration

– Supports OCPP, DLB (Dynamic Load Balancing), RFID, 4G, LAN, WIFI, Bluetooth, Reservation,
Password, Cloud Platform Charging and more.

Patented Designs | Easy charging

Product Parameters

Product Model	MC07750	MC201K	MC301K	MC401K	MC601K
Rating	7KW	20KW	30KW	40KW	60KW
Output voltage	200–750V	200–1000V			
Input Voltage	90–265V	260–475V			
Input Current	32A	30A	45A	60A	90A
Output Current	20A	50A	100A	120A	200A
Input wiring	L+N+PE	3P+N+PE			
Frequency	50–60HZ				
Power factor	>99%(Rated voltage& full power)				
Work efficiency	95%				
User interface	Digital tube	4.3–inch touch Display			
Sizes (mm)	450*150*310	580*180*430		650*200*445	
Weights	20KG	28KG	44KG	60KG	
Ancillary sources	12V(24V Optional)				
Operating temperature	−25℃ −+50℃（DeRating above 50℃, with heater for very cold areas）				
Height above sea level	2000M				
IP Rating	IP43				
crashworthiness Rating	IK8+				
Input line length	5M(Customization acceptable)				
Charge Gun Cable Length	3M(Customization acceptable)				
Applicable standards	GB/T18487/EN62196/EN61851−23,JEVSG 105/CHAdeMO				
Communication protocols	GB/T27930/CHAdeMO2.0/DIN70121,ISO 15118				

Mobile DC Chargers (TYPE 2 Series)

Mobile and portable + unique air duct design

– Small size, light weight, movable, charging anytime, anywhere;
– Unique air duct design, hot and cold air duct isolation, enhance the efficiency of heat transfer, product performance is more stable; at the same time, easy to maintain.

Safe and Secure

– IP43 protection level, moisture–proof, water–proof, mold–proof, dust–proof, flame retardant and so on.
– At the same time with over–voltage, overload, short circuit, leakage, battery anti–reverse and other protection functions.

Rich Configuration

– Supports OCPP, DLB (Dynamic Load Balancing), RFID, 4G, LAN, WIFI, Bluetooth, Reservation, Password, Cloud Platform Charging and more.

Special Customization
Support Type2 AC dual input to realize the public AC charging post power demand

Easy to move   fast charging

Product Parameters

Product Model	MCO7750	MC20750
Rating	7KW	20KW
Output voltage	200–750V(200–1000V Optional)	
Input Voltage	90–265V	260–475V
Input Current	32A	30A
Output Current	20A	50A
Input wiring	L+N+PE	3P+N+PE
Frequency	50–60HZ	
Power factor	>99%(Rated voltage& full power)	
Work efficiency	95%	
User interface	Digital tube	Digital tube/Monitor
Sizes (mm)	450*150*310	490*386*158
Weights	20KG	28KG
Ancillary sources	12V(24V Optional）	
Operating temperature	–25℃ ~+50℃（DeRating above 50℃ , with heater for very cold areas）	
Height above sea level	2000M	
IP Rating	IP43	
Crashworthiness Rating	IK8+	
Input line length	5M(Customization acceptable)	
Charge Gun Cable Length	3M(Customization acceptable)	
Applicable standards	GB/T18487/EN62196/EN61851–23,JEVSG 105/CHAdeMO	
Communication protocols	GB/T27930/CHAdeMO2.0/DIN70121,OCPP 1.6(JSON),ISO 15118	

3-in-1 Intelligent DC Charger(XC Series)

Mobile Portable + Patented Design

– Can be charged anywhere, anytime;
– 4.3–inch touch screen for smarter human–computer interaction.

Standard adaptation

– CCS/CHAdeMO/GBT free switching, realize one machine to charge the world.

Safe and secure

– Protection grade IP44, anti–collision grade IK8, moisture–proof, water–proof, mold–proof, dust–proof, flame–retardant and so on;
– At the same time with over–voltage, overload, short circuit, leakage, battery anti–reverse and other protection functions.

Rich Configuration

– Supports OCPP, DLB (Dynamic Load Balancing), RFID, 4G, LAN, WIFI, Bluetooth, Reservation, Password, Cloud Platform Charging and more.

Dissembly design,It's supporting CCS, Chademo and GBT charging standard with only replace the charging gun

Easy to move   fast charging

Product Parameters

Product Model	XC07750	XC201K	XC301K	XC401K
Rating	7KW	20KW	30KW	40KW
Output voltage	200–750V	200–1000V		
Input Voltage	90–265V	260–475V		
Input Current	32A	30A	45A	64A
Output Current	20A	50A	100A	120A
Input wiring	L+N+PE	3P+N+PE		
Frequency	50–60HZ			
Power factor	>99%(Rated voltage& full power)			
Work efficiency	95%			
User interface	4.3–inch touch Display			
Sizes(mm)	635*295*500			
Weights	20KG	40KG	50KG	60KG
Ancillary sources	12V(24V Optional)			
Operating temperature	–25℃ ~+50℃ (DeRating above 50℃ , with heater for very cold areas)			
Height above sea level	2000M			
IP Rating	IP43			
crashworthiness Rating	IK8+			
Input line length	5M (Cable length can be customized)			
Charge Gun Cable Length	0M(Wire length can be customized)			
Applicable standards	GB/T20234/EN62196/EN61851–23,JEVSG 105/CHAdeMO			
Communication protocols	GB/T27930/CHAdeMO2.0/DIN70121,OCPP 1.6(JSON),ISO 15118			

# Trolley mobile charging station (TC series)

Efficiency Optimization

– Fast charging, anytime/anywhere/anywhere. High power, high efficiency, high protection.
– 80KW , charging efficiency ≥ 97％ , IP54 protection level.

Intelligent control

– OCPP Remote Control: APP real–time monitoring of power, charging reservation, operation and maintenance management can be done in one click.
– Multi–energy compatibility: adaptable to utility, generator, energy storage system, no fear of power environment limitations.

Full coverage of charging scenarios

– Break the space constraints and construction free.
– Outdoor charging, logistics fleet, shared car operation.
– Short–term activities, temporary rental, city corners, delivery of piles to the door, adapting to new forms of business such as unmanned vehicles and electric ships.

CCS1   CCS2

GB/T CHAdeMO NACS
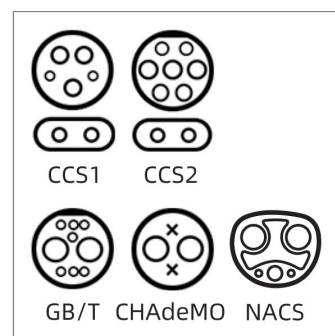
Customization Of
Global Charging Standards

Easy to move   fast charging

Product Parameters

Product Model	TC301K	TC401K	TC601K	TC801K
Rating	30KW	40KW	60KW	80KW
Output voltage	200–1000V			
Input Voltage	260–475V(Optional480V)			
Input Current	45A	64A	90A	100A
Output Current	100A	120A	200A	220A
Input wiring	3P+N+PE			
Frequency	50–60HZ			
Power factor	>99％(Rated voltage& full power)			
Work efficiency	95％			
User interface	43–inch touch Monitor			
Sizes (mm)	650*200*445			
Weights	60KG			
Ancillary sources	12V(24V Optional)			
Operating temperature	–25℃ –+50℃（DeRating above 50℃ , with heater for very cold areas			
Height above sea level	2000M			
IP Rating	IP54			
crashworthiness Rating	IK8+			
Input line length	5M(Customization acceptable)			
Charge Gun Cable Length	3M(Customization acceptable)			
Applicable standards	GB/T18487/EN62196/EN61851–23,JEVSG 105/CHAdeMO			
Communication protocols	GB/T27930/CHAdeMO2.0/DIN70121,OCPP 1.6(JSON),ISO 15118			

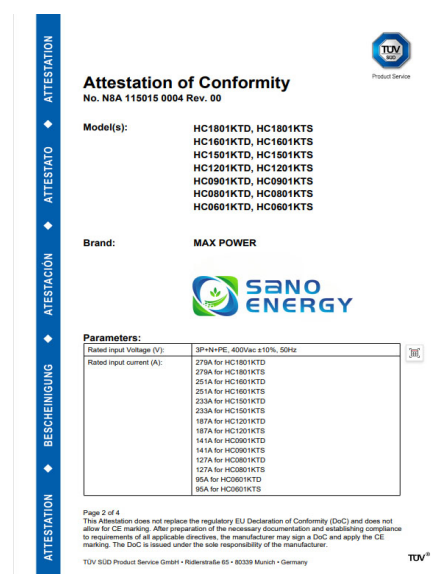# DC Charging Station (HC Series)

Fast charging

– Ultra–Fast Charging Maximum 360KW.
– Charging Time : 300KM equal to 10 minutes ;

Compatibility and Versatility

– Dual–Gun independently with different charging standards (CCS,GB/T,ChadeMo,NACS)
– Remote diagnostics, Support 4G, Wifi ,Ethernet , OCPP1.6 ,2.0 backends platform and POS Machine.

Various configuration

– Can be equipped with AC contactor /smoking sensor / smart charging connector protection /
 cable management system/ 10.1 LCD screen .
– Auto Charging (Support Sensorless Payment)

Attestation of Conformity
No. NBA 115015 0004 Rev. 00

Model(s):
HC1801KTD, HC1801KTS
HC1601KTD, HC1601KTS
HC1501KTD, HC1501KTS
HC1201KTD, HC1201KTS
HC0901KTD, HC0901KTS
HC0801KTD, HC0801KTS
HC0601KTD, HC0601KTS

Brand: MAX POWER

Parameters:
Rated input Voltage (V)   3P+N+PE, 400Vac ±10%, 50Hz
Rated input current (A)   279A for HC1801KTD
                            279A for HC1801KTS
                            251A for HC1601KTD
                            233A for HC1501KTD
                            187A for HC1201KTD
                            141A for HC0901KTD
                            127A for HC0901KTS
                            127A for HC0801KTD
                            95A for HC0801KTS
                            95A for HC0601KTD

Page 2 of 4
This Attestation does not replace the regulatory EU Declaration of Conformity (DoC) and does not allow for CE marking. After preparation of the necessary documentation and establishing compliance to requirements of all applicable directives, the manufacturer may sign a DoC and apply the CE marking. The DoC is issued under the sole responsibility of the manufacturer.

TÜV SÜD Product Service GmbH • Ridlerstraße 65 • 80339 Munich • Germany

TUV Certificate Number:
N8A1150150004

Fast Charging

IP54 protection   IK10 protection

Wide Operation Temperature
(-40 C to +55C)

Product Parameters

Product Model	HC0601K	HC0801K	HC0901K	HC1201K	HC1501K	HC1801K	HC2001K	HC2401K
Output power	60KW	80KW	90KW	120KW	150KW	1BOKW	200KW	240KW
Output voltage	200–1000V							
Input Voltage	AC380V ± 20%/AC480V ± 20%(Optional1)							
Input Current	95A	134 A	174A	200A	230A	285A	335A	400A
Output Current	0–200A	0–250A (300A optional configuration)						
Frequency	50–60HZ							
Number of Charging Guns	2							
Charging way	Charge Alternately / Evenly							
Charging mode	OCPP / RFID / Password / Plug and Play							
Charge Gun Cable Length	5M							
Human–computer interaction	7–inch color touch screen + IC contactless card reader							
Network connection	Standard: CAN/485/Ethernet Optional: GPRS/4G							
Sizes(mm)	1750*620*780							
Weights	120KG							
Operating temperature	−25℃ −+50℃ (Derated above 50℃ , can be equipped with a heater in the cold area.)							
Height above sea level	2000M							
IP Rating	IP54							
Operating humidity	5%−90%RH,non−condensing							
Charge Gun Cable Length	5M (Cable length can be customized)							
Applicable standards	GB/T20234/EN62196/EN61851−1,JEVSG 105/CHAdeMO							
Communication protocols	GB/T27930/CHAdeMO2.0/DIN70121,OCPP 1.6(JSON),ISO 15118							

DC charging station (VC series)
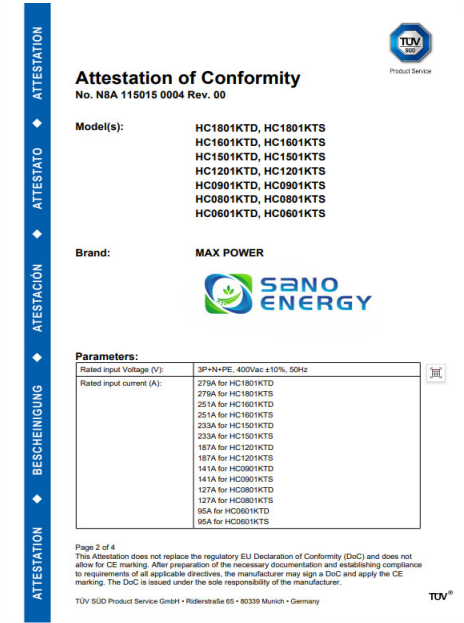
Compact/Slim design process

– Thickness less than 250mm；
– Power upto 80KW，Space–Saving and minimize installation space.

Compatibility and Versatility

– Dual–Gun independently with different charging standards (CCS,GB/T,ChadeMo,NACS)
– Remote diagnostics, Support 4G, Wifi ,Ethernet , OCPP1.6 ,2.0 backends platform and POS Machine.

Robust and Reliable

– International TUV certified standards;
– Wide range of operating temperatures (–40℃ to + 55℃)
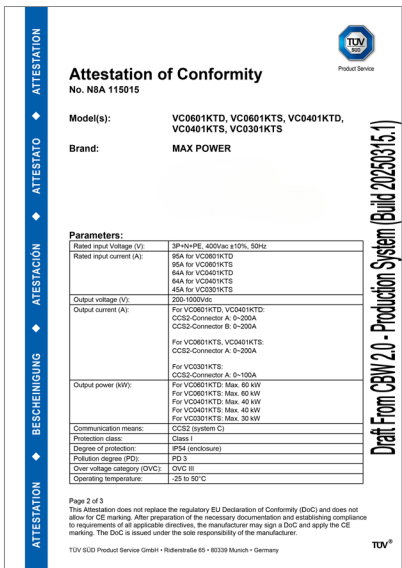
TUV Certificate Number:
No. N8A 115015

fast charging   CE@TUV

Product Parameters

Product Model	VC30750	VC40750	VC601K
Output power	30KW	40KW	60KW
Output voltage	200–750V		200–1000V
Input Voltage	AC380V±20%(440–480 V Optional)		
Input Current	45A	60A	95A
Output Current	100A	120A	200A
Frequency	45–60HZ		
Number of Charging Guns	2		
Charging way	Charge alternately / evenly		
Charging mode	OCPP / RFID / Password / Plug and Play		
Charging cable length	5M		
Human–computer interaction	7–inch color touch screen + IC card contactless reader		
Network connection	Standard: CAN/485/Ethernet Optional: GPRS/4G		
Sizes(mm)	1350*690*240		
Weights	100KG		
Operating temperature	–25℃ ~+50℃（DeRating above 50℃，with heater for very cold areas）		
Height above sea level	2000M		
IP Rating	IP54		
Operating humidity	5%–90%RH，non–condensing		
Charge Gun Cable Length	5M（Wire length can be customized)		
Applicable standards	GB/T20234/EN62196/EN61851–1,JEVSG 105/CHAdeMO		
Communication protocols	GB/T27930/CHAdeMO2.0/DIN70121,OCPP 1.6(JSON),ISO 15118		

# DC Charging Station (HC Series/240~360kw)

Fast charging

– Ultra–Fast Charging Maximum 360KW.
– Charging Time : 300KM equal to 10 minutes ;

Compatibility and Versatility

– Dual–Gun independently with different charging standards (CCS,GB/T,ChadeMo,NACS)
– Remote diagnostics, Support 4G, Wifi ,Ethernet , OCPP1.6 ,2.0 backends platform and POS Machine.

Various configuration

– Can be equipped with AC contactor /smoking sensor / smart charging connector protection /
 cable management system/ 10.1 LCD screen .
– Auto Charging (Support Sensorless Payment)

TUV Certificate Number:
N8A1150150004

Fast Charging

IP54 protection   IK10 protection

Wide Operation Temperature
(-40 C to +55C)

Product Parameters

Product Model	HC2401K	HC3201K	HC3601K
Output power	240KW	320KW	360KW
Output voltage	200-1000V		
Input Voltage	AC380V±20%/AC480V±20%(Optional)		
Input Current	400A	530A	600A
Output Current	0-300A (300A optional configuration)		
Frequency	50-60HZ		
Number of Charging Guns	2		
Charging mode	Automatic switching of fast and slow guns / dual gun parallel charging		
Charging mode	Swipe card, APP, Manual		
Charge Gun Cable Length	5M		
Human-computer interaction	7-inch color touch screen + IC contactless card reader		
Network connection	Standard: CAN/485/Ethernet Optional: GPRS/4G		
Sizes(mm)	1750X620x780		
Weights	120KG		
Operating temperature	-25℃ -+50℃ (Derated above 50℃ , can be equipped with a heater in the cold area.)		
Height above sea level	2000M		
IP Rating	IP54		
Operating humidity	5%-90%RH,non-condensing		
Charge Gun Cable Length	5M (Cable length can be customized)		
Applicable standards	GB/T20234/EN62196/EN61851-1,JEVSG 105/CHAdeMO		
Communication protocols	GB/T27930/CHAdeMO2.0/DIN70121,OCPP 1.6(JSON),ISO 15118		

DC Charging Station (FC Series)

Fast charging

– Ultra–Fast Charging Maximum 240KW.
– Charging Time : 300KM equal to 10 minutes ;

Compatibility and Versatility

– Dual–Gun independently with different charging standards (CCS,GB/T,ChadeMo,NACS)
– Remote diagnostics, Support 4G, Wifi ,Ethernet , OCPP1.6 ,2.0 backends platform and POS Machine.

Various configuration

– Can be equipped with AC contactor /smoking sensor / smart charging connector protection /
 cable management system/ 10.1 LCD screen .
– Auto Charging (Support Sensorless Payment)

CCS1 CCS2

GB/T CHAdeMO NACS
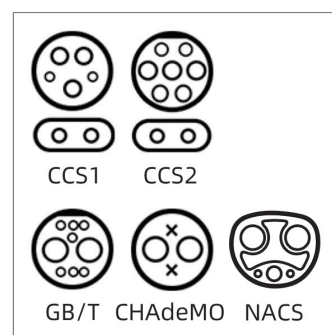
Customization Of
Global Charging Standards

IP54 protection   Fast Charging

Wide Operation Temperature (-40 C to +55C)

Product Parameters

Product Model	FC601K	FC1201K	FC1501K	FC1801K
Output power	60KW	120KW	150KW	180KW
Output voltage	200–1000V			
Input Voltage	AC380V ± 20% AC480V ± 20%(Optional)			
Input Current	95A	200A	230A	285A
Output Current	0–200A	0–250A (300A optional configuration)		
Frequency	45–60HZ			
Number of Charging Guns	2			
Charging way	Charge Alternately / Evenly			
Charge mode	OCPP / RFID / Password / Plug and Play			
Charge Gun Cable Length	5M			
Human–computer interaction	7–inch color touch screen + IC card contactless reader			
Network connection	Standard: CAN/485/Ethernet Optional: GPRS/4G			
Sizes(mm)	1750*620*780			
Weights	230KG			
Operating temperature	−25℃ ~+50℃（Derating above 50℃ , with heater for very cold areas）			
Height above sea level	2000M			
IP Rating	IP54			
Operating humidity	5%–90%RH，non–condensing			
Charge Gun Cable Length	5M (Cable length can be customized)			
Applicable standards	GB/T20234/EN62196/EN61851−1 JEVSG 105/CHAdeMO			
Communication protocols	GB/T27930/CHAdeMO2.0/DIN70121,OCPP 1.6(JSON),ISO 15118			

Optical storage and charging series

Support customization

– Optical storage charging system charging pile, the intelligent choice of future energy; Integrated intelligent management system.
– Future trends, investment preferred; our full range of products can be customized optical storage charging system charging pile.

Concentrated energy management

– Integrating energy management, energy storage and intelligent charging.
– Optimize energy distribution in real time to ensure stable and efficient power consumption. It takes into account both household electricity consumption and commercial operation.

Creating Green Energy

– Create a closed loop of green energy to meet diversified power needs.
– Support direct access to photovoltaic, eliminating the inverter link, more efficient energy conversion and lower system costs.

DC Input No inverter required

Increased efficiency/reduced costs

photovoltaic panel → Energy storage batteries → chargers → new energy vehicle

Optical Storage Charge 1

Optical Storage Charge 2

Charging Robot YC Series

Higher utilization rate

– 1 unit can cover N parking spaces.

– Solve the problem of oil trucks occupying the parking space, the site utilization rate is higher.

Higher efficiency

– On–call, rechargeable and ready to go;

– Hovering in the air, not taking up space.

Safe and secure

– IP54 protection level, no fear of wind and rain, lightning and electricity.

– Equipped with a camera to monitor the environment and CE certification, safe and worry–free.

Product Parameters

Product Model	YC201K	YC301K	YC401K
Output power	20KW	30KW	40KW
Output voltage	200–1000V		
Input Voltage	260–475V	480V Optional	
Input Current	45A	60A	95A
Output Current	100A	120A	200A
Frequency	45–60HZ		
Number of Charging Guns	2		
Charging mode	Scanning, App, Manual		
Charge Gun Cable Length	5M		
AD Screen	Mobile App, One Swipe Summoning		
Human–computer interaction	IC card contactless reader		
Network connection	Standard: CAN/485/Ethernet Optional: GPRS/4G		
Sizes(mm)	900*270*1800		
Weights	150KG		
Operating temperature	−25℃ −+50℃ (DeRating above 50℃ , with heater for very cold areas)		
Height above sea level	2000M		
IP Rating	IP54		
Operating humidity	5%−90%RH,non−condensing		
Applicable standards	EN61851−1,JEVSG 105		
Communication protocols	CHAdeMO2.0/DIN70121,OCPP 1.6(JSON),ISO 15118		

V2V Series

More flexible and convenient

– Compact and portable charging equipment, flexible mobile replenishment service.

– It can replenish power anytime and anywhere without relying on traditional charging piles.

Vehicle-to-Vehicle Mutual Aid Charging

– Enabling energy sharing between vehicles, reducing waste and resource consumption.

– Reduce waste and resource consumption.

Reduce Mileage Anxiety

– Carry it with you in your car, it is good for people and more convenient to replenish the electricity.

Product Parameters

Product Model	MV201K	MV301K	MV401K
Output power	20KW	30KW	40KW
Output voltage	200–1000V		
Input Voltage	260–475V	480VOptional	
Input Current	AC:0–32A DC:0–28A	AC:0–48A DC:0–50A	AC:0–64A DC:0–56A
Output Current	0–50A	0–50A	0–100A
Frequency	45–6CHZ		
Number of Charging Guns	2		
Charging mode	Scanning, App, Manual		
Charge Gun Cable Length	5M		
AD Screen	Mobile App, One–Scan Calling		
User interface	4.3 inch touch Display		
Network connection	CAN/485/Ethernet as standard Option: GPRS/4G		
Sizes(mm)	635*295*500		
Weights	40KG	50KG	60KG
Operating temperature	–25℃ –+50℃（DeRating above 50℃，with heater for very cold areas）		
Height above sea level	2000M		
IP Rating	IP54		
Operating humidity	5%–90%RH，non–condensing		
Applicable standards	EN61851–1,JEVSG 105		
Communication protocols	CHAdeMO2.0/DIN70121,OCPP 1.6(JSON),ISO 15118		

AC Dual Gun Charging Station (ACP Series)

Rich Configuration

– Support DLB(Dynamic Load Balancing),OCPP,pen fault,A+6,MID meter.
– Free mix and match (power, charging standard, gun cable, gun mount).

Intelligent control

– Support reservation charging, password charging, swipe card, offline billing, APP scanning code operation;
– Multiple languages can be freely switched (four languages can be switched at will).
– With local management background, you can switch charging mode and billing mode at will.

Safety protection

– Support trial version
– Can connect to our after–sales platform, remote diagnosis, upgrade, change the configuration, etc.
– IP54 protection level, –20℃ to 50℃ stable operation, wind and rain without worry.

IP54 protection   fast charging

Support single and double guns

Product Parameters

Product Model	ACP0732	ACP1116	ACP2232
Output power	7KW+7KW(14KW)	11KW+11KW(22KW)	22KW+22KW(44KW)
Output voltage	AC230V	AC400V	
Input Voltage	AC230V ± 10%	AC400 ± 10%	
Input Current	32A（64A）	16A（32A）	32A（64A）
Single Gun Output Current	32A	16A	32A
Human–computer interaction	Indicator lights + 4.3" color Display		
Sizes(mm)	380*1360*320		
Installation	Wall/pillar		
IP Rating	IP55		
Charging mode	Plug and play/OCPP/RFID		
Charge Gun Cable Length	5M		
Weights	15KG		
NetWorking protocol	OCPP1.6		
Operating temperature	–25℃ –+50℃ (DeRating above 50℃ , with heater for very cold areas)		
Height above sea level	2000M		
NetWorking Methods	wifi; bluetooth; 4G; LAN		
Smart charging	Dynamic Load Balancing(Optional)		
Leakage protection	Type A (A+6)		
Ground detection	Pen fault(For the UK market)		
Applicable standards	GB/T20234/EN62196/EN61851–1 JEVSG 105/CHAdeMO		
Communication protocols	GB/T27930/CHAdeMO2.0/DIN70121,OCPP 1.6(JSON),ISO 15118		

V2G Series

Increasing the value of electric vehicle use

– Electric cars as energy storage batteries;
– Enjoy driving and generate income at the same time.
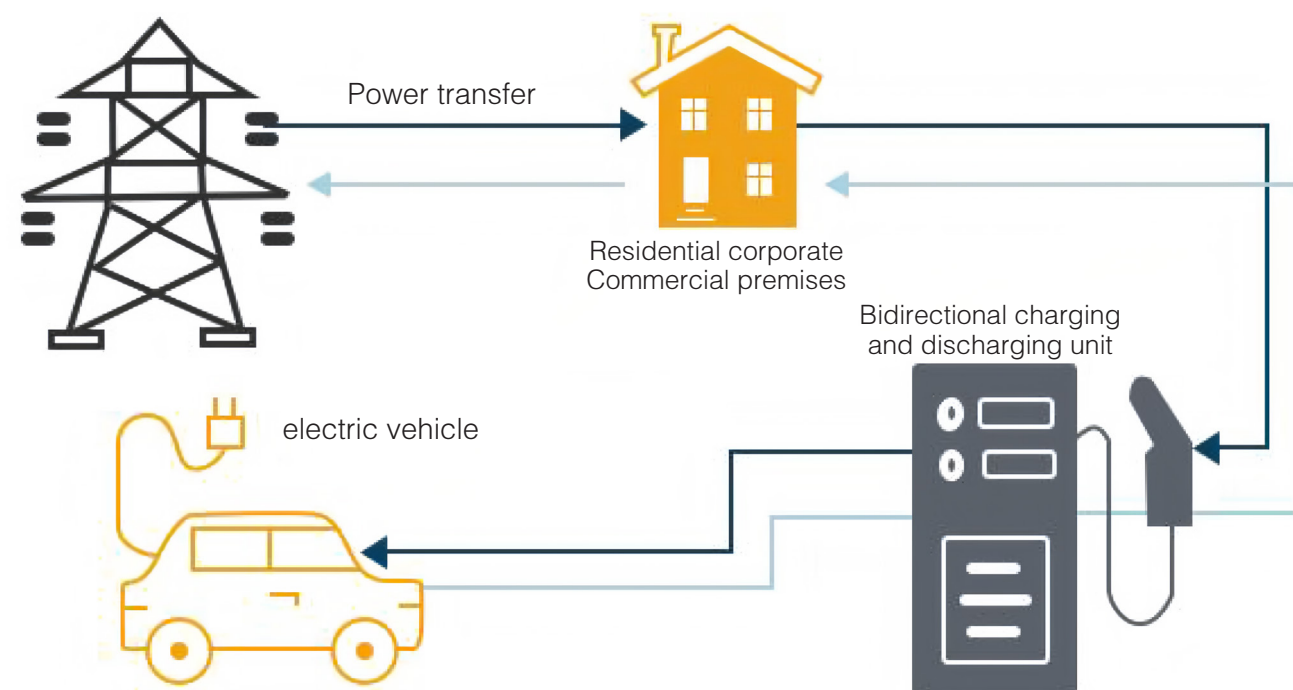
Peak sc valley balance of power grid

– stabilization storage and supply capacity;
– Ensure the stability of power supply and reduce operating costs.

Contributing to the energy transition

– Contribute to the energy transition to effectively promote the consumption of clean energy by electric vehicles and reduce the abandonment of wind and light.

CCS1 CCS2

GB/T CHAdeMO NACS

Customization Of
Global Charging Standards

Power transfer

Residential corporate
Commercial premises

Bidirectional charging
and discharging unit

electric vehicle
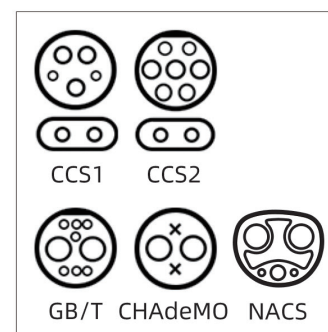
Product Parameters

Product Model	MG201K	MG301K	MG401K
Output power	20KW	30KW	40KW
Output voltage	AC:304–485V DC:60–750V		
Input Voltage	AC:304–408V DC:60–750V		
Input Current	AC:0–38A DC:0–40A	AC:0–56A DC:0–30A	AC:0–76A DC:0–80A
Output Current	DC:0–40A	DC:0–200A	DC:0–80A
Frequency	45–60HZ		
Number of Charging Guns	2		
Charging mode	Scanning, App, Manual		
Charge Gun Cable Length	5M		
AD Screen	Mobile App, One–Scan Calling		
Human–computer interaction	IC card contactless reader		
Network connection	CAN485/Ethernet as standard Option: GPRS/4G		
Sizes(mm)	900*270*1800		
Weights	150KG		
Operating temperature	–25℃ – +50℃ (DeRating above 50℃ , with heater for very cold areas)		
Height above sea level	2000M		
IP Rating	IP54		
Operating humidity	5%–90%RH,non–condensing		
Applicable standards	EN61851–1,JEVSG 105		
Communication protocols	CHAdeMO2.0/DIN70121,OCPP 1.6(JSON),ISO 15118		

AC Single Gun Charging Station (ACQ Series)

Rich Configuration

– Support DLB (Dynamic Load Balancing), OCPP, pen fault, A+6, MID meter.

Intelligent control

– Language support: free switching of multiple languages (four languages can be switched at will).
– There is a local management background, you can do it yourself to switch the charging method and billing method.

Safety protection

– Support trial version
– Can be connected to our after–sales platform, remote diagnosis, upgrade, change the configuration, etc.
– TUV certification, IP54 protection level, –20 ℃ to 50 ℃ stable operation, wind and rain without worry.
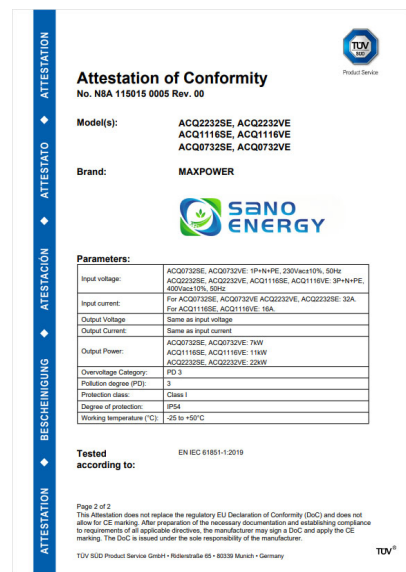
TUV Certificate Number:
N8A 115015 0005

Product Parameters

Product Model	ACQ0732	ACQ1116	ACQ2232
Rating	7KW	11KW	22KW
Output voltage	AC220V ± 20%	AC380V	
Input Voltage	AC110V/AC220V	AC380V/480V	
Input Current	32A	16A	32A（64A）
Output Current	32A	16A	32A
Human–computer interaction	Indicator lights + 4.3–inch color Display		
Sizes(mm)	380*1360*320		
Installation	Wall/pillar		
IP Rating	IP55		
Charging mode	OCPP / RFID / Plug and Play		
Charge Gun Cable Length	4M	5M	5M
Weights	15KG		
NetWorking protocol	OCPP1.6		
Operating temperature	–25℃ –+50℃ (DeRating above 50℃ , with heater for very cold areas)		
Height above sea level	2000M		
NetWorking Methods	wifi; bluetooth; 4G; LAN		
Smart charging	Dynamic Load Balancing(Optional)		
Leakage protection	Type A + DC 6mA		
Ground detection	Pen fault(For the UK market)		
Applicable standards	GB/T20234/EN62196/EN61851–1 JEVSG 105/CHAdeMO		
Communication protocols	GB/T27930/CHAdeMO2.0/DIN70121,OCPP 1.6(JSON),ISO 15118		

DC Charging Station (LC Series)

Ultra-fast charging

– 10 minutes = 400KM.

– Meets the charging needs of electric vehicles with driving range more than 1000KM.
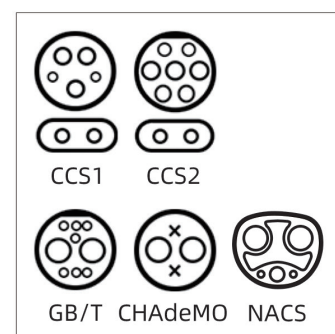
Lightweight design

– Reduced cable weight: more friendly for women or elderly people.

Long service life

– Extended lifespan of Charging station；

– Lower loss and temperature rise, more stable performance and longer life.

Environmentally friendly and energy saving

– Efficient energy utilization : Reduce carbon emissions.

CCS1   CCS2

GB/T CHAdeMO NACS

Customization Of
Global Charging Standards

1 liquid-cooled gun
+ 1 naturally cooled gun

High heat dissipation efficiency,
high power fast charging

Product Parameters

|		
Product Model		LC1801K
Input Characteristics	Voltage range	AC380V ±20%（480V optional）
	Frequency	45–65HZ
	Power factor	≥ 0.95
	Input Current	0–340A
Output Characteristics	Output power	180KW
	Auxiliary power	GB/T/CCS1/CCS2/CHAdeMO：12V
	Voltage range	200–1000Vdc
	Output Current	0–400A, liquid cooled; 0–250A, natural cold gun
	Charging mode	Single Connector : Single Connector : Full Power , Double Connector : Equalization
	Number of Charging Connector	Single / Double
	Cable Length	5 meters standard (optional)
Cooling source	Cooling power	2100W
	Dissipation medium	Ethylene glycol at 50% concentration
	Power voltage	≤ 250W Input voltage 24Vdc
IP Rating		IP54
NetWorking Methods		4G,Wifi Ethernet
Human–computer interaction		7 inch screen , Display interface language can be customized
Charging mode		Plug&Play ,RFID, OCPP Protocol ,Password charging
Weight Size		850*585*1745mm.340KG
Protective function		Emergency stop/Over–voltage/Over current/Over–temperature/ Short circuit/Leakage/Lightning/Insultation Monitoring Protection.

DC Charging Station (KC Series)

55-inch 4K screen

– 55 inch outdoor 4K high brightness screen. Outstanding advertising effects day and night.
– Enjoy the dual income from charging and advertising. Enhance the brand identity.

Intelligent control, as you wish

– Built–in Android system, smooth operation like cell phone, easy to realize content update, remote control, timer playback, make ad management more intelligent and efficient!
– Remotely update the advertisement content anytime and anywhere, and monitor the equipment in real time.

One Screen, Multiple Uses, Unlimited Possibilities

– Advertising screen, information release platform, interactive terminal, data display window, AI customer service window, android system massive application.
– Remotely update the advertisement content anytime and anywhere, and monitor the equipment in real time.

CCS1   CCS2

GB/T   CHAdeMO   NACS
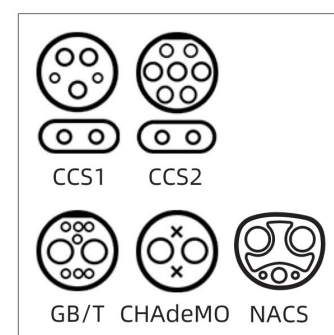
Customization Of
Global Charging Standards

55-inch screen   fast charging

55"

Product Parameters

Product Model	KC601K	KC801K	KC901K	KC1201K	KC1501K	KC1801K	KC2001K	KC2401K
Rating	60KW	80KW	90KW	120KW	150KW	180KW	200KW	240KW
Output voltage	200–1000V							
Input Voltage	AC380V ± 20%/AC480V ± 20%(Optional)							
Input Current	95A	134A	174A	200A	230A	285A	335A	400A
Output Current	0–200A	0–250A(300A can be customized)						
Screen Size	55–inch							
Operating system	Android							
Luminance	2500cd/m2							
Viewing angle	89°							
Contrast	1300:1							
Backlight Tube Life	Over 60,000 hours							
Maximum resolution	3840*2160 UHD							
Frequency	50–60HZ							
Number of charging guns	2							
Charging mode	Equal Charge							
Charging mode	Plug&Play ,RFID, OCPP Protocol ,Password charging							
Sizes(mm)	1120*680*2070							
Weights	450KG							
IP Rating	IP54							
Charging Standards	GB/T20234/EN62196/EN61851–1,JEVSG 105/CHAdeMO							
Communication protocols	GB/T27930/CHAdeMO2.0/DIN70121,OCPP 1.6(JSON),ISO 15118							

Liquid Cooled DC Charging Station (RC Series)

Safe and reliable

– Efficient, Reliable, Maintenance–Free
– Say goodbye to traditional air cooling, embrace efficient liquid cooling.

High efficient heat dissipation

– Efficient heat dissipation, excellent performance;
– Robust and reliable, low failure rate.

Rich configuration

– Maintenance–free design, hassle–free operation.
– Safe and eco–friendly, reduces environmental noise.
– Choose the liquid–cooled wall–mounted charging station, choose the future charging experience!

wall–mounted

Liquid Cooled Configuration

Quiet   IP65 protection

columnar

Product Parameters

Product Model		RC22500GO(GB/T)	RC22500EO(CCS2)
Input Characteristics	Voltage range	AC Input Voltage：360–440Vac	
	Frequency	50/60HZ	
	Power factor	≥ 0.96	
	Input Current	AC Input Current: 40 A	
	Input line length	5 meters (standard)	
Output Characteristics	Output power	22KW	
	Ancillary sources	GB/T 12V 24V optional, 12V for CCS2	
	Voltage range	150–750Vdc	
	Output current	0–72A	
	Charge Gun Cable	5m (include charging gun cable length of 4.5m)	
Module parameters	Heat dissipation method	liquid cooling	
	Cooling medium	50% water plus 50% ethylene glycol	
	Heat exchange	1200W	
	Cooling Fan Power	60W(MAX) 12VDC	
	Cooling water pump power	66W 12VDC	
	static (in a signal)	65dbm	
IP Rating		IP65	
Human–computer interaction		4.3–inch color touch screen	
Charging mode		OCPP / RFID / Plug and Play	
Operating temperature		–40℃ ~ +55℃ ;	
Weight Size		Machine Size 642*454*153mm (without gun head,carrying handle, casters);Net Weight Approx. 43KG	

# DC Charging Station (KC Series 360KW)

43-inch 4K screen

– 43 inch outdoor 4K high brightness screen. No matter day or night, the advertising effect is always outstanding .
– Sit and enjoy the advertisement, charge double income, enhance the brand image.

Intelligent control, as you wish

– Built–in Android system, smooth operation like cell phone, easy to realize content update, remote control, timer playback, make ad management more intelligent and efficient! Remotely update the advertisement content anytime and anywhere, and monitor the equipment in real time.

One Screen, Multiple Uses, Unlimited Possibilities

– Advertising screen, information release platform, interactive terminal, data display window, AI customer service window, android system massive application.
– Remotely update the advertisement content anytime and anywhere, and monitor the equipment in real time.

CCS1   CCS2

GB/T CHAdeMO NACS
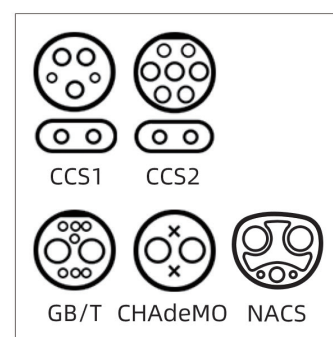
Customization Of
Global Charging Standards

43-inch screen   fast charging

Product Parameters

Product Model		KC36043
Input Characteristics	Voltage range	AC380V ±20%（480V optional）
	Frequency	45–65HZ
	Power factor	≥ 0.99
	Input Current	0–630A
Output Characteristics	Output power	360KW(Power can be customized)
	Auxiliary power	12V/24V
	Voltage range	200–1000Vdc
	Output Current	0–600A（liquid–cooled gun）
	Charging way	Single Connector : Full Power , Double Connector : Equalization
	Number of Charging Guns	Single / Double (liquid cooled optional)
	Charge Gun Cable	5 meters standard (optional)
Temperature Range		Working: –20~50℃ ;Storage: –40~85℃ ; Intelligent deRating for temperature Over 70℃ .
Humidity Range		5~ 90RH%；non–condensing
Working Environment		Indoor/Outdoor
Human–Computer Interaction		7–inch color touch screen
Monitor		43 inches;Display area 941*529mm;Luminance2000cd/㎡ ; resolution 1920*1080;Display ratio 16:9
Charging Mode		OCPP / RFID / Password / Plug and Play
Size Weight		1000x900x 2000 mm(not including stock, rechargeable gun and other protruding parts).About 660KG
IP Rating		IP54
NetWorking Methods		Domestic support for Cloud Fast Charging / OCPP / 4G / WIFI / Ethernet

DC charging station (GC series 320kw/360KW)

One machine for global charging

– Compatible with CCS/GBT/CHAdeMO and other mainstream protocols, global compatibility.
– One set of equipment can connect all charging scenarios from domestic to overseas.

Storm Warfare Mode

– IP54 protection, @ –30 ℃ ~ 50 ℃ stable output.
– Operating as usual in stormy weather, year–round restless power fortress.

Four-gun tactical formation

– Lone wolf mode: single gun 320kW overclocking output, 10 minutes to replenish 500km.
– Swarm Attack Mode: four–gun intelligent shunt, 90kW x 4 output, unit space efficiency increased by 300%.

CCS1 CCS2
GB/T CHAdeMO NACS
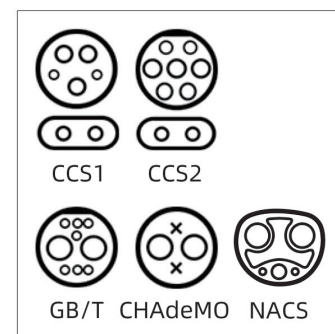
Customization Of
Global Charging Standards

GC series can also do 3 guns
(2 guns DC + 1 AC gun)

Remote OTA/Remote Diagnostics
(With liquid-cooled charging gun)

IP54 protection   fast charging

Product Parameters

Product Model		GC240，GC320，GC360
Input Characteristics	Voltage range	AC380V ± 20%
	Frequency	47–65HZ
	Power factor	≥ 0.95
	Input Current	0–630A
Output Characteristics	Output power	240KW; 320KW; 360KW
	Auxiliary power	GB/T：Compatible 12V24V
	Voltage range	200–1000Vdc
	Output Current	0–250A（Maximum current per gun）
	Charging way	Single gun full power 180kw charging /four gun ABCD equalizing charging
	Number of Charging Guns	Single shot/two shots possible/three shots possible/four shots possible (CCS1, CCS2, GB/T, NACS, CHAdeMO) in any combination
	Charge Gun Cable	5 meters standard (optional)
IP Rating		IP54
Humidity range		5~90RH%; no condensation
Temperature range		Work: –20~55℃ ; Storage: –40~85℃ ; Intelligent deRating for temperature exceeding 70℃ .
Charging mode		OCPP / RFID / Password / Plug and Play
Protective function		Emergency stop protection; output Over–voltage protection; Over–temperature protection; short circuit protection; Leakage protection; lightning protection;
Human–computer interaction		7 –inch color touch screen
Screen language		Chinese, English (other languages can be customized)
NetWorking Methods		GB model domestic support Cloud Fast Charging / OCPP / 4G/WIFI/Ethernet
Weight Size		855x 710 x 1950mm (excluding gun holder, charging gun and other protruding parts) Approx. 500KG

DC Mobile Converter (CD250GE)

High compatibility

– GB/T to CCS2.
– Comprehensive compatibility: break the charging barriers.

Safe and reliable/portable design

– Safe and reliable: high quality materials, multiple protection, charging more peace of mind.
– Portable design: flexible emergency, economical and efficient, to meet the charging needs anytime and anywhere.

Rich configuration/intelligent control

– Real–time collection of user charging data. Support remote diagnosis, upgrade.
– 4.3–inch touch screen, smarter operation, compatible with 4G,WIFI, OCPP remote monitoring, charging more peace of mind.

Easy to move   fast charging

Product Parameters

Product Model	CD250GE
Rated current	0~250A DC
Rated voltage	1000V DC
User interface	4.3–inch touch screen
Indicator light	Tri–color Light Strip
GB/T interface	CAN communication: in accordance with GB/T 27930–2023
CCS2 connector	Supports CP PWM signal output, CP status detection, PLC advanced communication, PP status control
USB connector	Supports export of charging logs from an external USB flash drive
Networking Methods	WIFI Bluetooth
Temperature	−40℃ to +50℃
Storage Temperature	−40℃ ~ +85℃
Humidity range	5~90℃ ; no condensation
Heat dissipation method	Air cooling
Altitude	Less than 2000M
IP Rating	IP54
Machine Size	Length 425mm*Width 120mm*Height 370mm (with carrying handle, glen head, without gun line)
Packaging/ Weights	Net Weight: about 5KG Gross Weight of carton: about 7KG
System opeRating environment	Each time it is used:1. Check whether the structure of the gun head and gun seat device and the gun line are damaged or deformed before use; 2. Check whether the converter shell and gun line heat up normally during use; 3. Check whether the fault light is abnormal during use.

DC Charging Station (EC Series)

Three defense guards
– Moisture-proof, corrosion-proof, dust-proof.

Long service life
– Extend service life, reduce maintenance cost, more stable performance.

IP65 protection rating
– IP65 high protection charging pile, is your ideal choice to deal with moisture, corrosion, dust environment .

Applicable Scenarios
– Applicable scenarios: highway intersection, desert area, seaside and other harsh usage scenarios.

wall-mounted

+ Dust-Proof
+ Moisture-Proof
+ Corrosion-Proof

Remote OTA/Remote Diagnostics

fast charging   IP65 protection

columnar

Product Parameters

		EC301K	EC401K
Product Model		EC301K	EC401K
Input Characteristics	Input Voltage	260-485Vac,380V（rated）	
	Frequency	45-65HZ	
	Power factor	≥ 0.98	
	Input Current	46A	60A
	Ancillary sources	GB/T:12V 24V Optional CCS CHAdeMO:12V	
Output Characteristics	Output power	30KW	40KW
	Output voltage	150-1000Vdc	
	Output power	0-100A	0-133A
	Charge Gun cable	5M (about 4.5 meters out)	
Working environment	Operating temperature	-40℃ ~ +55℃ (additional heaters can be added for cold areas)	
	Operating humidity	5~90RH%；（non-condensing）	
	Height above sea level	<2000M	
Storage environment	Temperature	- 40 ~ 85℃；25℃	
	Storage humidity	5~95RH%；25RH%；（non-condensing）	
	Height above sea level	<2000M	
IP Rating		IP65	
Human-computer interaction		4.3" color touch screen	
Size Weight		590*312*755mm，55kg	
Charging mode		OCPP / RFID / Plug and Play	
Charging Standards		GB/T：GB/T 18487、GB/T 20234、GB/T 27930；CCS：EN61851、EN62196、ISO15118、DIN70121；CHAdeMO：CHAdeMO2.0	

Split DC Charging Stack (QC Series)

IP65 protection rating

– IP65 protection/all–weather guarding, no fear of challenges in wind, storm and snow!
– Moisture–proof, corrosion–proof, dust–proof; –30℃ to 50℃ cold and heat stable operation.

Flexible response to charging needs

– Liquid–cooled charging gun: 5 minutes charging, 400KM range, suitable for long–range electric vehicles, trucks, buses and other models.
– 8 guns in parallel: compatible with 99% of new energy models, flexible response to daily charging needs.

Intelligent Management / Cost Reduction and Efficiency

– Remote monitoring + OTA upgrade, data visualization management, O&M costs directly reduced by 30%.
– Intelligent scheduling of peak and valley tariffs, dynamic allocation of power, simultaneous charging of multiple vehicles, resource utilization rate MAX!

720kW high power

1 liquid-cooled supercharger gun
+ 8 naturally cooled fast chargers!

Product Parameters

Product Model	QC7209EO
Total rated power	720kW
Output Voltage range	DC300–1000V (high voltage mode)
Number of slaves	Output circuit: 9 ways. Can take 1 supercharging pile + 8 ordinary piles
Maximum Output Current per circuit	Normal terminal 250A;Liquid–cooled terminal 600A
Rated Output power	Normal Terminal: 80kW; Liquid Cooled Terminal: 375kW
Maximum Output power	Ordinary terminal:180/250KW;Liquid–cooled terminal:450/600KW
Electricity metering	Accuracy 1.0 grade
Display Mode	7–inch touchscreen Display
Charging mode	Auto–fill, by time, by charge, by amount
Activation method	Swipe, Scan, PIN, VIN
Protective function	Short circuit, Over–temperature, Over–current, leakage, Over–under–voltage, etc.
Charging mode	Full power charging, multi–gun parallel charging
Communication method	CAN bus
Network connection	CAN/485/Ethernet/GPRS/4G
IP Rating	IP54
Operating temperature	– 20℃ ~ + 50℃
Temperature	– 40℃ ~ + 70℃
Relative temperature	5%~95%
Altitude	≤ 2000m
Installation	Floor mounting
Size (W*D*H)	Normal terminal:460mm * 380mm * 1460mm; Liquid–cooled terminal:580mm * 400mm * 1560mm

Mobile Energy Storage (BCM Series)

Road emergency response

– Emergency power supply, adapt to extreme disaster weather (earthquake power outage, war, typhoon and other force majeure factors caused by power shortages).
– Wilderness operation power supply / power island power supply / anytime, anywhere, power delivery to the door.

Stable and efficient use of electricity

– Peak reduction and valley leveling to maximize benefits; slow charging and quick discharging to reduce grid dependence; integrating energy management, energy storage and intelligent charging.
– Optimize energy distribution in real time to ensure stable and efficient electricity consumption. It can optimize energy distribution in real time to ensure stable and efficient power consumption. It can take care of both household power consumption and commercial operation.

Rich configuration/efficient conversion

– Support the combination with smart grid, Internet of Things and other technologies, can be upgraded to smart energy management system in the future.
– Support OCPP2.0, remote diagnosis, remote management, POS payment system.
– Support PV direct access, eliminating the inverter link, more efficient energy conversion and lower system cost.

Easy to move   fast charging

Product Parameters

Product Model		BCM1120
DC Input		Voltage range 500V ~ 750V，0–22A，Power factor ≥ 0.99
AC input		Voltage range 260V–485V，0–30A，Power factor ≥ 0.99，Frequency 45 ~ 65HZ
Output Characteristics（Energy storage input）	Maximum power	11KW
	Voltage range	150V ~ 750V
	Output Current	0–50
Output Characteristics (AC input)	Maximum power	20KW
Characteristics of energy storage replenishment	Maximum power of supplemental power	11KW
Charging Performance	Battery operation Voltage range	500V ~ 750V
	Maximum continuous charging rate	1C
	Maximum allowable charging Temperature range	–10–55℃ (45–55℃ power down)
	Optimum charging Temperature range	15℃ ~ 30℃
Discharge performance	Maximum Continuous Discharge rate	1C
	Battery operation Voltage range	500V ~ 750V
	Maximum allowable discharge Temperature range	–20 ~ 65℃ (55 ~ 65℃ power down)
	Optimum discharge Temperature range	15℃ ~ 30℃
Human–computer interaction		LCD color touch screen
Network connection as standard		Standard: Ethernet; Optional: 4G
Charging mode		LCD panel/swipe card/OCPP
Weight Size		Net Weight 135KG, gross Weight 200KG, Size 920mm*600mm*900mm
IP Rating		IP54
Applicable agreements		GB/T;CCS;CHAdeMO 2.0/DIN 70121, OCPP;

# Mobile Energy Storage (BCH Series)

Double income

– Double revenue, stabilizing the output of the power plant and achieving a dynamic balance between the microgrid and the grid.

Slow charge, fast discharge

– Slow charging and fast discharging reduces the requirement for grid capacity and reduces the impact on the grid.

Breaking Venue Boundaries

– Centralized charging and mobile decentralized discharging are possible.
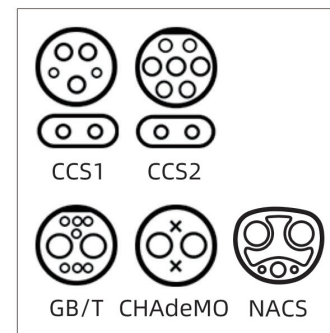
CCS1   CCS2

GB/T   CHAdeMO   NACS

Customization Of
Global Charging Standards

IP54 protection   fast charging

Product Parameters

Product Model	BCH4040	BCH5050	BCH6060
Sports event	40KWH40KW	50KWH50KW	60KWH60KW
DC Input	Voltage range 500V ~ 750V		
	0–80A	0–100A	0–120A
	Power factor ≥ 0.99		
AC input	Voltage range 260V–485V		
	0–32A		
	Power factor ≥ 0.99		
	Frequency 45 ~ 65HZ		
Maximum power	40KW	50KW	60KW
Voltage range	200V ~ 1000V (of which 30KW, 40KW optional 200V–750V)		
Output Current	0–133A	0–166A	0–200A
Maximum power	20KW		
Maximum power for DC to charge energy storage	40KW	50KW	60KW
Sizes(mm)	1500*850*650		
Weight	670KG	770KG	830KG
Temperature range	Recommended 0 to 55℃ .		
Humidity range	5~90%; R.H. non–condensation (non–condensation)		
IP Rating	IP54		
Applicable standards	Charger: EN61851–1,JEVSG105, Battery: GB/T32960,GB/T2900.41,GB/t31484–2015,gb/t31485–2015,gb/t 31486–2015,q/gx 003–2015;GB/T;CCS;		

# Vertical energy storage (BCV series)

Emergency power supply

– Emergency power supply, adapt to extreme disaster weather (earthquake power outage, war, typhoon and other force majeure factors caused power shortages).
– Wilderness operation power supply / power island power supply.

Stable and efficient use of electricity

– Valley charge vs peak discharge, maximize electricity utilization & cost saving; slow charging and quick discharging to reduce grid dependence; integrating energy management, energy storage and intelligent charging.
– Optimize energy distribution in real time to ensure stable and efficient electricity consumption.
optimize energy distribution in real time to ensure stable and efficient power consumption. applicable for both household power consumption and commercial operation.

Rich configuration/efficient conversion

– Support the combination with smart grid, IOT technologies, can be integrated to smart energy management system in the future.
– Support OCPP2.0, remote diagnosis, remote management, POS payment system.
– Support PV direct connection, eliminating the inverter, more efficient and lower system cost.

CCS1   CCS2

GB/T   CHAdeMO   NACS
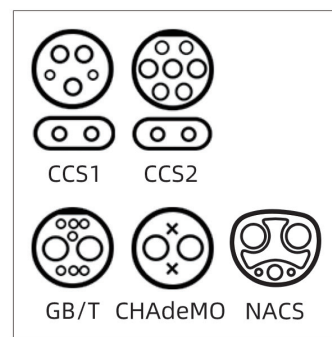
Customization Of
Global Charging Standards

double income

fast heat dissipation

IP54 protection   fast charging

Product Parameters

Product Model	BCV 60KWh60KW
DC Input	Voltage range500V ~ 750V
	0–120A
	Power factor ≥ 0.99
AC input	Voltage range260V–485V
	0–92A
	Power factor ≥ 0.99
	Frequency 45 ~ 65HZ
Output Characteristics	Maximum power60KW
	Voltage range150V ~ 1000V
	Output Current0–200A
Characteristics of energy storage replenishment	Charger supplemental power max. 60KW
	Maximum power of photovoltaic supplement 20KW
Applicable agreements	GB/T,CCS,CHAdeMO 2.0/DIN 70121, OCPP;
Temperature range	Recommended 0 ~ 55 ℃ , temperature Over 45 ℃ intelligent down load.
Humidity range	5 ± 90%; no condensation
Altitude	<2000M
Charging mode	DC fast charging
IP Rating	IP54
Human–computer interaction	LCDcolor touch screen
Network connection	LAN/WIFI/4G
Charging mode	LCD Panel / Swipe Card / OCPP / Domestic Operation

ENERGY STORAGE BATTERY

Charging Station Testing Equipment

Accurate detection/efficient operation and maintenance

– Support charging pile voltage, current, power, communication protocol and other parameters testing, to meet the testing needs of various types of charging pile.
– Adopts high–precision sensors and advanced algorithms to ensure the accuracy of test data.

Intelligent control/easy operation

– Built–in intelligent diagnostic system, automatically identifies charging station fault types, quickly locates the problem and significantly reduces maintenance time!
– Compact and lightweight, easy to operate, suitable for on–site inspection and mobile operation and maintenance.

Multiple protection mechanisms

– Equipped with over–voltage, over–current, short–circuit and other multiple protection mechanisms to ensure that the test process is safe and worry–free, guarding the safety of equipment and personnel.
– Equipped with feed–back loads to reduce testing costs, low–carbon and environmentally friendly.

Testing Box

Testing Instrument

Testing Cabinet

Product Parameters

Product Model	CQ250G	
Measured Input	GB/T250A, CCS2 200A, CCS1200A (double shot)	
OpeRating power	AC220V ± 10% 50HZ	
Maximum voltage at gun mount	DC1000V	
Maximum Current for Gun Block	GB/T 250A、CCS2/CCS1 200A	
Input Display	HMI screen Display	
Communication connector	RS485	
Working environment temperature	−20℃ ~+50℃	
Temperature	−30℃ ~+70℃	
Relative humidity	5%~90%	
IP Rating	IP20	
Protection mode	Automatically cut off the running power in case of power failure, Over−temperature protection.	
Sizes(mm)	550 * 550 * 900	
Usage	Desktop, Portable, Cabinet	
Display Mode	7 inch touch screen	
Charging parameter settings	Charging mode, constant voltage, constant current state	Voltage Charging Requirement (V)
	Current Charging Requirement (A)	Charge Onset Charge
	End−of−charge charge	Total charging time
BMS State Simulation	Vehicle connector state simulation	Vehicle connector PE pin state simulation
	Mechanical Switch S State Simulation	BMS State Simulation
	Control Guidance Circuit R4 Resistor Analog	Insulation fault state simulation