

# Product Configuration Guide

Core Smart Charging Device Manufacturer / Charging Platform Software Developer / World-class Energy Service Provider



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SHENZHEN HONGJIALI NEW ENERGY CO. , LTD.

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# About Us

Shenzhen Hongjiali New Energy Co., Ltd. is a professional high-tech enterprise that integrates R&D production, sales and service. We are not only a factory of EV Charging Stations, but also committed to providing overall operation and charging solutions for electric vehicles, as well as the construction of charging facilities.

2016

Date of establishment (year)

100,000,000

Registered capital (CNY)

200<sup>+</sup>

Product type (model)

300<sup>+</sup>

Number of employees (person)

>30%

Proportion of R&D personnel

700,000,000

Cumulative number of charges (kWh)

30000

Production plant (m²)

80<sup>+</sup>

charging stations (seats)

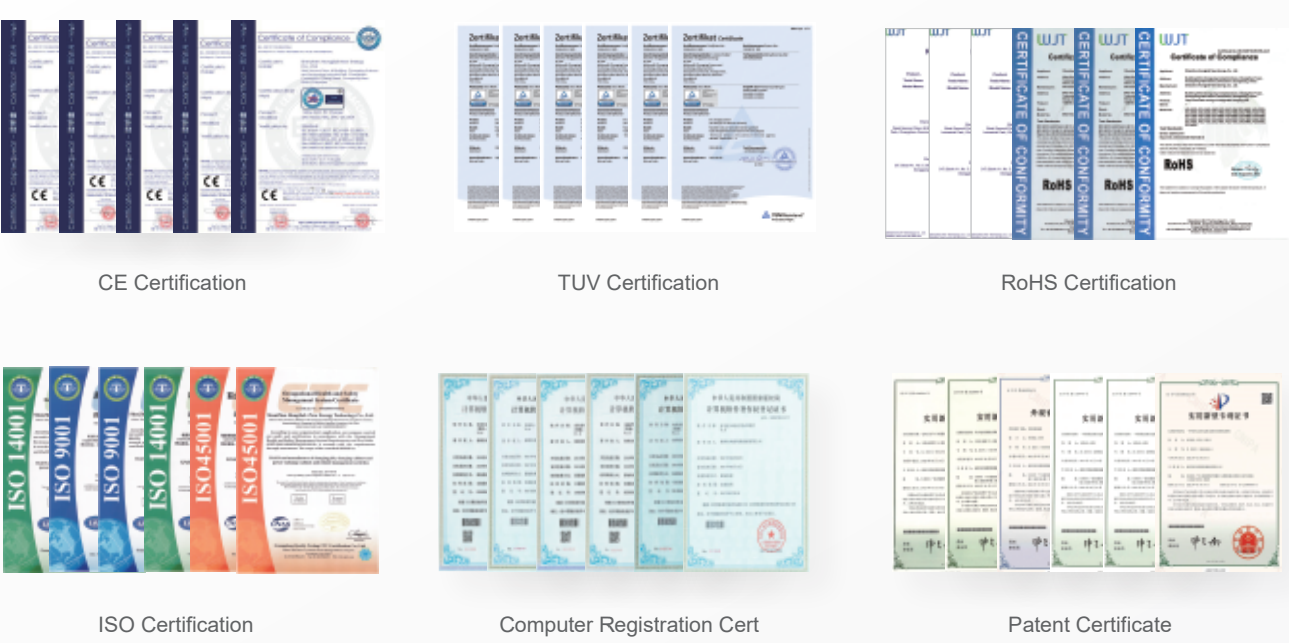
# Production Workshop



# Global Partners

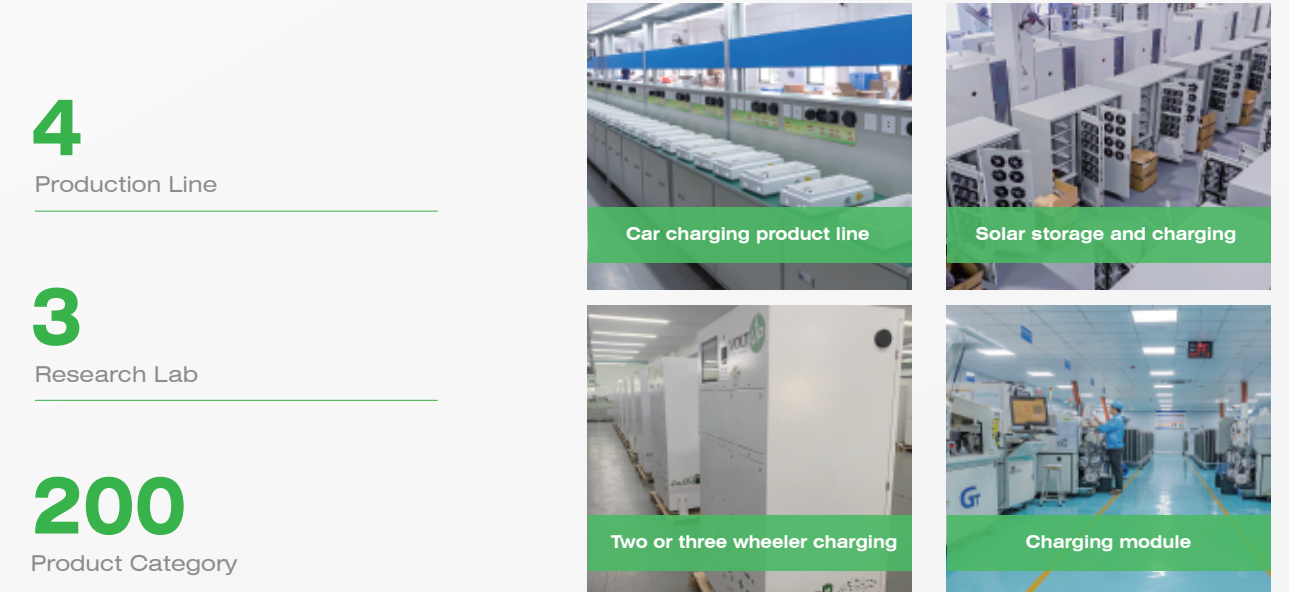


# Certification



# Production Lines

The R&D covers over 200 products, including: AC EV charger, DC EV charger, portable DC EV charger, split-type DC EV charger, liquid-cooled ultra-fast EV charger, advertising DC EV charger, electric bicycle charging and battery swap cabinets, commercial and industrial energy storage systems, mobile energy storage units, integrated photovoltaic-storage-charging systems, charging modules, and more.





# EV Charging Solution AC Charger

## Product Overview

HG POWER AC charging stations offer a wide power range from 7 kW to 44 kW. Featuring a compact design, global charging interface compatibility, user authentication, and simple installation, they provide an ideal charging solution for both commercial and residential applications.



**7-22kW**  
**Wall-Mounted/Column Type**

- Friendly interaction interface, 4.3" color screen(Optional);
- Support Swipe card/manual to charge (optional);
- Supports multiple national charging standards;
- Overload integrated Protection;
- Adopt flame retardant ABS housing



**7-22kW**  
**Wall-Mounted/Column Type**

- Convenient installation: Wall mounted;
- High efficiency, reliable and stable performance;
- Friendly interaction interface, 4.3" color touch screen(Optional);
- Overload integrated Protection;
- Support online data upgrade.



**22-44kW**  
**Floor Mounted Type**

- Convenient installation: Wall mounted;
- High efficiency, reliable and stable performance;
- Friendly interaction interface, 4.3" color touch screen(Optional);
- Overload integrated Protection;
- Support online data upgrade.





Galaxy Series

7-22kW  
Wall-Mounted/Column Type

Features

- Convenient installation: Wall mounted;
- High efficiency, reliable and stable performance;
- Friendly interaction interface, 4.3" color screen(Optional);
- Support Swipe card/manual to charge (optional);
- Supports multiple national charging standards;
- Overload integrated Protection;
- Adopt flame retardant ABS housing



Simple operation



Convenient charging



Operations management



Easy Payment

Specifications

S. NO	Parameters	Requirements
1	EV Charger Type	AC
2	Charger Capacity	7-22KW
4	Mounting	Wall-Mounted/Column Type
5	AC Supply System	Single-Phase, 3 Wire AC system
6	Nominal Input Voltage	AC220V±15%/AC240V±15%/ AC380V±15%
7	InputFrequency	50/60±3Hz
8	Ambient Temperature Range	-25 to 55°C
9	Ambient Humidity	5 to 95%
10	Storage Temperature	-40 to 70°C
11	IP Ratings	IP 55
12	Cooling	Natural Cooling
13	Number of Outputs	1
14	Type of Each Output	AC220V±15%/AC240V±15%/ AC380V±15%
15	Single Output Max. Current	16/32/50 Amp
16	Display & Screen Size	4.3 Inches Screen
17	User Authentication	QR Code/RFID Card /Password Login
18	Metering Information	Consumption Units
19	Communication between EVSE and Central Server	OCPP 1.6J Protocol (Optional)
20	Interface between Charger and CMS	Ethernet
21	Executive Standard	IEC 62196 2017, IEC 61851 2017, SAE J1772, GB/T 20234.
22	Safety Parameters	Over Current, Under Voltage, Under Current, Over Voltage, Residual Current, Surge Protection, Leakage Protection, Short Circuit, Over Temperature, etc.

Note:For specific models and parameters, please refer to the technical specifications.



Stellar Series

7kW  
Wall-Mounted/Column Type

Features

- Convenient installation: Wall mounted;
- High efficiency, reliable and stable performance;
- Friendly interaction interface, 4.3" color screen(Optional);
- Support OCPP1.6J/Ethernet/3G/4G/WIFI/Bluetooth telecommunication(optional);
- Support Swipe card/ Scan QR code/input password to charge (optional);
- Overload integrated Protection;
- Support online data upgrade



Simple operation



Convenient charging



Operations management



Easy Payment

Specifications

S. NO	Parameters	Requirements
1	EV Charger Type	AC
2	Charger Capacity	7KW
4	Mounting	Wall-Mounted/Column Type
5	AC Supply System	Single-Phase, 3 Wire AC system
6	Nominal Input Voltage	AC220V±15%/AC240V±15%
7	InputFrequency	50/60±3Hz
8	Ambient Temperature Range	-25 to 55°C
9	Ambient Humidity	5 to 95%
10	Storage Temperature	-40 to 70°C
11	IP Ratings	IP 55
12	Cooling	Natural Cooling
13	Number of Outputs	1
14	Type of Each Output	AC220V±15%/AC240V±15%
15	Single Output Max. Current	32 Amp
16	Display & Screen Size	4.3 Inches Screen
17	User Authentication	QR Code/RFID Card /Password Login
18	Metering Information	Consumption Units
19	Communication between EVSE and Central Server	OCPP 1.6J Protocol (Optional)
20	Interface between Charger and CMS	Ethernet
21	Executive Standard	IEC 62196 2017, IEC 61851 2017, SAE J1772, GB/T 20234.
22	Safety Parameters	Over Current, Under Voltage, Under Current, Over Voltage, Residual Current, Surge Protection, Leakage Protection, Short Circuit, Over Temperature, etc.

Note:For specific models and parameters, please refer to the technical specifications.





Stellar Series

11-22kW  
Wall-Mounted/Column Type

Features

- Convenient installation: Wall mounted;
- High efficiency, reliable and stable performance;
- Friendly interaction interface, 4.3" color screen(Optional);
- Support OCPP1.6J/Ethernet/3G/4G/WIFI/Bluetooth telecommunication(optional);
- Support Swipe card/ Scan QR code/input password to charge (optional);
- Overload integrated Protection;
- Support online data upgrade



Simple operation



Convenient charging



Operations management



Easy Payment

Specifications

S. NO	Parameters	Requirements
1	EV Charger Type	AC
2	Charger Capacity	11-22KW
4	Mounting	Wall-Mounted/Column Type
5	AC Supply System	Single-Phase, 3 Wire AC system
6	Nominal Input Voltage	AC240V±15%/AC380V±15%
7	InputFrequency	50/60±3Hz
8	Ambient Temperature Range	-25 to 55°C
9	Ambient Humidity	5 to 95%
10	Storage Temperature	-40 to 70°C
11	IP Ratings	IP 55
12	Cooling	Natural Cooling
13	Number of Outputs	1
14	Type of Each Output	AC240V±15%/AC380V±15%
15	Single Output Max. Current	16/32/50 Amp
16	Display & Screen Size	4.3 Inches Screen
17	User Authentication	QR Code/Rfid Card /Password Login
18	Metering Information	Consumption Units
19	Communication between EVSE and Central Server	OCPP 1.6J Protocol (Optional)
20	Interface between Charger and CMS	Ethernet
21	Executive Standard	IEC 62196 2017, IEC 61851 2017, SAE J1772, GB/T 20234.
22	Safety Parameters	Over Current, Under Voltage, Under Current, Over Voltage, Residual Current, Surge Protection, Leakage Protection, Short Circuit, Over Temperature, etc.

Note:For specific models and parameters, please refer to the technical specifications.



Stellar Series

22-44kW  
Floor Mounted Type

Features

- Convenient installation: Ground mounted;
- High efficiency, reliable and stable performance;
- Friendly interaction interface, 7" color screen(Optional);
- Support OCPP1.6J/Ethernet/3G/4G/WIFI/Bluetooth telecommunication(optional);
- Support Swipe card/ Scan QR code/input password to charge (optional);
- Overload integrated Protection;
- Support online data upgrade



Simple operation



Convenient charging



Operations management



Easy Payment

Specifications

S. NO	Parameters	Requirements
1	EV Charger Type	AC
2	Charger Capacity	22-44KW
4	Mounting	Wall-Mounted/Column Type
5	AC Supply System	Single-Phase, 3 Wire AC system
6	Nominal Input Voltage	AC240V±15%/AC380V±15%
7	InputFrequency	50/60±3Hz
8	Ambient Temperature Range	-25 to 55°C
9	Ambient Humidity	5 to 95%
10	Storage Temperature	-40 to 70°C
11	IP Ratings	IP 55
12	Cooling	Natural Cooling
13	Number of Outputs	1
14	Type of Each Output	AC240V±15%/AC380V±15%
15	Single Output Max. Current	32/64/100 Amp
16	Display & Screen Size	7 Inches Screen
17	User Authentication	QR Code/Rfid Card /Password Login
18	Metering Information	Consumption Units
19	Communication between EVSE and Central Server	OCPP 1.6J Protocol (Optional)
20	Interface between Charger and CMS	Ethernet
21	Executive Standard	IEC 62196 2017, IEC 61851 2017, SAE J1772, GB/T 20234.
22	Safety Parameters	Over Current, Under Voltage, Under Current, Over Voltage, Residual Current, Surge Protection, Leakage Protection, Short Circuit, Over Temperature, etc.

Note:For specific models and parameters, please refer to the technical specifications.



# EV Charging Solution

## DC Charger

### Product Overview

HG Power DC chargers deliver 20–1040 kW output with high efficiency, multi-port options, and flexible configurations—reducing costs for public/commercial charging, even in space-constrained installations.



#### 20/30kW Portable Dc charger

- Delicate appearance, simple operation, convenient installation;
- High efficiency, reliable and stable performance;
- Friendly interaction interface, LED indicator light;
- Support Plug&Play;
- Overload integrated Protection.



#### 20/30/40kW Wall-Mounted/Column Type

- Convenient installation: Wall mounted;
- High efficiency, reliable and stable performance;
- Friendly interaction interface, 7" color touch screen(Optional);
- Overload integrated Protection;
- Support online data upgrade.



#### 40-480kW Integrated DC Charger

- Friendly interaction interface, 12.1" color screen(Optional);
- Support Swipe card/ Scan QR code/input password to charge (optional);
- Supports multiple national charging standards;
- Overload integrated Protection;
- Support online data upgrade.



20/30kW  
Portable Dc charger



Stellar Series

Features

- Delicate appearance, simple operation, convenient installation;
- High efficiency, reliable and stable performance;
- Friendly interaction interface, LED indicator light;
- Support Plug&Play;
- Overload integrated Protection.



Plug & Play



Auto Full Charge



Portable Design



E-stop Protection

Specifications

S. NO	Parameters	Requirements
1	EV Charger Type	DC
2	Charger Capacity	20/30KW
4	Mounting	Wall-Mounted/Column Type
5	AC Supply System	Single-Phase, 3 Wire AC system
6	Nominal Input Voltage	AC380V±15%
7	InputFrequency	45-65Hz
8	Ambient Temperature Range	-25 to 55°C
9	Ambient Humidity	5 to 95%
10	Storage Temperature	-40 to 70°C
11	IP Ratings	IP 54
12	Cooling	Air-cooled
13	Number of Outputs	1
14	Type of Each Output	DC200-1000V
15	Single Output Max. Current	66/100 Amp
16	Display & Screen Size	7 Inches Screen
17	User Authentication	QR Code/Password(Optional)
18	Metering Information	Consumption Units
19	Communication between EVSE and Central Server	OCPP 1.6J Protocol (Optional)
20	Interface between Charger and CMS	Ethernet/3G/4G/WIFI (Optional)
21	Executive Standard	IEC 62196 2017, IEC 61851 2017, SAE J1772, GB/T 20234.
22	Safety Parameters	Over Current, Under Voltage, Under Current, Over Voltage, Residual Current, Surge Protection, Leakage Protection, Short Circuit, Over Temperature, etc.

Note:For specific models and parameters, please refer to the technical specifications.

20/30/40kW  
Wall-Mounted/column Type



Stellar Series

Features

- Convenient installation: Wall mounted;
- High efficiency, reliable and stable performance;
- Friendly interaction interface, 7" color screen(Optional);
- Support OCPP1.6J/Ethernet/3G/4G/WIFI/Bluetooth telecommunication(optional);
- Support Swipe card/ Scan QR code/input password to charge (optional);
- Overload integrated Protection;
- Support online data upgrade



Simple operation



Safe Charging



Easy Installation



Energy-efficient

Specifications

S. NO	Parameters	Requirements
1	EV Charger Type	DC
2	Charger Capacity	20/30/40KW
4	Mounting	Wall-Mounted/Column Type
5	AC Supply System	Single-Phase, 3 Wire AC system
6	Nominal Input Voltage	AC380V±15%
7	InputFrequency	45-65Hz
8	Ambient Temperature Range	-25 to 55°C
9	Ambient Humidity	5 to 95%
10	Storage Temperature	-40 to 70°C
11	IP Ratings	IP 54
12	Cooling	Air-cooled
13	Number of Outputs	1
14	Type of Each Output	DC200-1000V
15	Single Output Max. Current	66/100/132 Amp
16	Display & Screen Size	7 Inches Screen
17	User Authentication	QR Code/Password(Optional)
18	Metering Information	Consumption Units
19	Communication between EVSE and Central Server	OCPP 1.6J Protocol (Optional)
20	Interface between Charger and CMS	Ethernet/3G/4G/WIFI (Optional)
21	Executive Standard	IEC 62196 2017, IEC 61851 2017, SAE J1772, GB/T 20234.
22	Safety Parameters	Over Current, Under Voltage, Under Current, Over Voltage, Residual Current, Surge Protection, Leakage Protection, Short Circuit, Over Temperature, etc.

Note:For specific models and parameters, please refer to the technical specifications.





Astra Series

30-160kW  
Ad-integrated DC Charger

Features

- Convenient installation: Ground mounted;
- High efficiency, reliable and stable performance;
- 43-inch Large Advertising Screen;
- Support OCPP1.6J/Ethernet/3G/4G/WIFI/Bluetooth telecommunication(optional);
- Support Swipe card/ Scan QR code/input password to charge (optional);
- Overload integrated Protection;
- Support online data upgrade.



Extra-large  
Screen



Wide  
compatibility



Multiple  
protections



Smart  
and friendly

Specifications

S. NO	Parameters	Requirements
1	EV Charger Type	DC
2	Charger Capacity	30-160KW
4	Mounting	Wall-Mounted/Column Type
5	AC Supply System	Single-Phase, 5 Wire AC system
6	Nominal Input Voltage	AC380V±15%
7	InputFrequency	45-65Hz
8	Ambient Temperature Range	-25 to 55°C
9	Ambient Humidity	5 to 95%
10	Storage Temperature	-40 to 70°C
11	IP Ratings	IP 54
12	Cooling	Air-cooled
13	Number of Outputs	2
14	Type of Each Output	DC200-1000V
15	Display & Screen Size	7 Inches Touch Screen with Shell
16	Advertisement screen	43 Inches Screen
17	User Authentication	QR Code/Password(Optional)
18	Metering Information	Grid responsive metering as per units' consumption of each vehicle
19	Communication between EVSE and Central Server	OCPP 1.6J Protocol (Optional)
20	Interface between Charger and CMS	Ethernet/3G/4G/WIFI (Optional)
21	Executive Standard	IEC 62196 2017, IEC 61851 2017, SAE J1772, GB/T 20234.
22	Safety Parameters	Over Current, Under Voltage, Under Current, Over Voltage, Residual Current, Surge Protection, Leakage Protection, Short Circuit, Over Temperature, etc.

Note:For specific models and parameters, please refer to the technical specifications.



Genesis Series

40-80kW  
Integrated DC Charger

Features

- Convenient installation: Ground mounted;
- High efficiency, reliable and stable performance;
- Friendly interaction interface, 12.1" color screen(Optional);
- Support OCPP1.6J/Ethernet/3G/4G/WIFI/Bluetooth telecommunication(optional);
- Support Swipe card/ Scan QR code/input password to charge (optional);
- Overload integrated Protection;
- Support online data upgrade.



Multiple  
options



Wide  
compatibility



Multiple  
protections



Smart  
and friendly

Specifications

S. NO	Parameters	Requirements
1	EV Charger Type	DC
2	Charger Capacity	40-80KW
4	Mounting	Wall-Mounted/Column Type
5	AC Supply System	Single-Phase, 5 Wire AC system
6	Nominal Input Voltage	AC380V±15%
7	InputFrequency	45-65Hz
8	Ambient Temperature Range	-25 to 55°C
9	Ambient Humidity	5 to 95%
10	Storage Temperature	-40 to 70°C
11	IP Ratings	IP 54
12	Cooling	Air-cooled
13	Number of Outputs	2
14	Type of Each Output	DC200-1000V
15	Single Output Max. Current	200/250 Amp
16	Display & Screen Size	12.1 Inches Screen
17	User Authentication	QR Code/Password(Optional)
18	Metering Information	Consumption Units
19	Communication between EVSE and Central Server	OCPP 1.6J Protocol (Optional)
20	Interface between Charger and CMS	Ethernet/3G/4G/WIFI (Optional)
21	Executive Standard	IEC 62196 2017, IEC 61851 2017, SAE J1772, GB/T 20234.
22	Safety Parameters	Over Current, Under Voltage, Under Current, Over Voltage, Residual Current, Surge Protection, Leakage Protection, Short Circuit, Over Temperature, etc.

Note:For specific models and parameters, please refer to the technical specifications.



Genesis Series

120-180kW  
Integrated DC Charger

Features

- Convenient installation: Ground mounted;
- High efficiency, reliable and stable performance;
- Friendly interaction interface, 12.1” color screen(Optional);
- Support OCPP1.6J/Ethernet/3G/4G/WIFI/Bluetooth telecommunication(optional);
- Support Swipe card/ Scan QR code/input password to charge (optional);
- Overload integrated Protection;
- Support online data upgrade.



Multiple options



Wide compatibility



Multiple protections



Smart and friendly

Specifications

S. NO	Parameters	Requirements
1	EV Charger Type	DC
2	Charger Capacity	120-180KW
4	Mounting	Wall-Mounted/Column Type
5	AC Supply System	Single-Phase, 5 Wire AC system
6	Nominal Input Voltage	AC380V±15%
7	InputFrequency	45-65Hz
8	Ambient Temperature Range	-25 to 55°C
9	Ambient Humidity	5 to 95%
10	Storage Temperature	-40 to 70°C
11	IP Ratings	IP 54
12	Cooling	Air-cooled
13	Number of Outputs	2
14	Type of Each Output	DC200-1000V
15	Single Output Max. Current	200/250 Amp
16	Display & Screen Size	12.1 Inches Screen
17	User Authentication	QR Code/Password(Optional)
18	Metering Information	Consumption Units
19	Communication between EVSE and Central Server	OCPP 1.6J Protocol (Optional)
20	Interface between Charger and CMS	Ethernet/3G/4G/WIFI (Optional)
21	Executive Standard	IEC 62196 2017, IEC 61851 2017, SAE J1772, GB/T 20234.
22	Safety Parameters	Over Current, Under Voltage, Under Current, Over Voltage, Residual Current, Surge Protection, Leakage Protection, Short Circuit, Over Temperature, etc.

Note:For specific models and parameters, please refer to the technical specifications.



Genesis Series

200-480kW  
Integrated DC Charger

Features

- Convenient installation: Ground mounted;
- High efficiency, reliable and stable performance;
- Friendly interaction interface, 12.1” color screen(Optional);
- Support OCPP1.6J/Ethernet/3G/4G/WIFI/Bluetooth telecommunication(optional);
- Support Swipe card/ Scan QR code/input password to charge (optional);
- Overload integrated Protection;
- Support online data upgrade.



Multiple options



Wide compatibility



Multiple protections




Smart and friendly

Specifications

S. NO	Parameters	Requirements
1	EV Charger Type	DC
2	Charger Capacity	200-480KW
4	Mounting	Wall-Mounted/Column Type
5	AC Supply System	Single-Phase, 5 Wire AC system
6	Nominal Input Voltage	AC380V±15%
7	InputFrequency	45-65Hz
8	Ambient Temperature Range	-25 to 55°C
9	Ambient Humidity	5 to 95%
10	Storage Temperature	-40 to 70°C
11	IP Ratings	IP 54
12	Cooling	Air-cooled
13	Number of Outputs	2
14	Type of Each Output	DC200-1000V
15	Single Output Max. Current	200/250 Amp
16	Display & Screen Size	12.1 Inches Screen
17	User Authentication	QR Code/Password(Optional)
18	Metering Information	Consumption Units
19	Communication between EVSE and Central Server	OCPP 1.6J Protocol (Optional)
20	Interface between Charger and CMS	Ethernet/3G/4G/WIFI (Optional)
21	Executive Standard	IEC 62196 2017, IEC 61851 2017, SAE J1772, GB/T 20234.
22	Safety Parameters	Over Current, Under Voltage, Under Current, Over Voltage, Residual Current, Surge Protection, Leakage Protection, Short Circuit, Over Temperature, etc.

Note:For specific models and parameters, please refer to the technical specifications.






**Aurora Series**


### 240-960kW Separated-type DC Charging Station

**Features**


- Ultra-High Power Output, Compatible with Multiple Vehicle Types;
- Split-Type Design for Flexible Expansion;
- Intelligent Dynamic Power Allocation;
- Efficient Cooling & Stable Operation;
- Full-Scenario Compatibility & Future-Proof Upgradability;
- Digital Management & Remote O&M;
- High Safety & User-Friendly Design




Ultra high power



Charge faster



Host separation



Flexible configuration

Specifications

S. NO	Parameters	Requirements
Main cabinet technical parameters		
1	EV Charger Type	DC
2	Charger Capacity	240-960KW
5	AC Supply System	Single-Phase, 5 Wire AC system
6	Nominal Input Voltage	AC380V±15%
7	InputFrequency	45-65Hz
8	Ambient Temperature Range	-25 to 55°C
9	Ambient Humidity	5 to 95%
11	IP Ratings	IP 54
12	Cooling	Air-cooled
Terminal technical parameters technical parameters		
13	Number of Outputs	4~14
14	Type of Each Output	DC200-1000V
15	Single Output Max. Current	200/250 Amp
16	Display & Screen Size	4.3 Inches Screen
17	User Authentication	QR Code
18	Liquid Cooling Current	600A(CCS1&CCS2&GBT)
19	Communication between EVSE and Central Server	OCPP 1.6J Protocol (Optional)
20	Interface between Charger and CMS	Ethernet/3G/4G/WIFI (Optional)
21	Executive Standard	IEC 62196 2017, IEC 61851 2017, SAE J1772, GB/T 20234.
22	Safety Parameters	Over Current, Under Voltage, Under Current, Over Voltage, Residual Current, Surge Protection, Leakage Protection, Short Circuit, Over Temperature, etc.

Note:For specific models and parameters, please refer to the technical specifications.



**Deepsea Series**

### 600-2000kW All-liquid-cooled Ultra-fast Charging

**Features**

- Ultra-High Power, Wide Compatibility;
- Liquid Cooling Technology, Safe & Efficient;
- Split Architecture, Flexible Deployment;
- All-Weather Operation, Extreme Environment Resilience;
- Smart Power Allocation, Dynamic Adjustment;
- Reduced Grid Impact, Lower Infrastructure Costs;
- Intelligent O&M, Cost-Effective



Cool off quickly



Charge faster



Reduce noise



Flexible configuration

Specifications

S. NO	Parameters	Requirements
Main cabinet technical parameters		
1	EV Charger Type	DC
2	Charger Capacity	240-960KW
5	AC Supply System	Single-Phase, 5 Wire AC system
6	Nominal Input Voltage	AC380V±15%
7	InputFrequency	45-65Hz
8	Ambient Temperature Range	-25 to 55°C
9	Ambient Humidity	5 to 95%
11	IP Ratings	IP 54
12	Cooling	Liquid Cooling
Terminal technical parameters technical parameters		
13	Number of Outputs	10~24
14	Type of Each Output	DC200-1000V
15	Single Output Max. Current	200/250 Amp
16	Display & Screen Size	4.3 Inches Screen
17	User Authentication	QR Code
18	Liquid Cooling Current	600A(CCS1&CCS2&GBT)
19	Communication between EVSE and Central Server	OCPP 1.6J Protocol (Optional)
20	Interface between Charger and CMS	Ethernet/3G/4G/WIFI (Optional)
21	Executive Standard	IEC 62196 2017, IEC 61851 2017, SAE J1772, GB/T 20234.
22	Safety Parameters	Over Current, Under Voltage, Under Current, Over Voltage, Residual Current, Surge Protection, Leakage Protection, Short Circuit, Over Temperature, etc.

Note:For specific models and parameters, please refer to the technical specifications.

# Solar-Storage-Charging Solution

## Storage-Charging

### Product Overview

HG Power has the capability of integrated photovoltaic, storage, and charging solutions, with products including 215kWh storage; 15-316kWh mobile storage and charging; 215-261kWh storage and charging.



#### 215-261kWh Commercial & Industrial Energy Storage

- Powers homes or businesses for 8-10 hours, scalable for larger needs.
- Cuts electricity costs by 30-50% with peak shaving & solar optimization
- Seamless grid/off-grid switching for uninterrupted power during outages.
- LFP battery with 6,000+ cycles, fire-resistant & real-time monitoring.
- Reduces CO<sub>2</sub> emissions by ~200 tons/year, ideal for solar/wind pairing.



#### 158-316kWh Transportable ESS Charger

- Smart & High-Efficiency Control
- Comprehensive Safety Protection
- Cluster-Level Precision Management
- Flexible Charging Modes
- Modular & Easy Deployment



#### 215/261kWh Storage-Charging All-in-One System

- Fast DC-coupled charging, minimal grid impact.
- Over/under voltage, current, temperature; touchscreen alerts.
- Single software for energy storage & charging.
- Adjustable CC/CV/float/equalizing modes.
- Space-saving, modular design.





Ark Series

## 215-261kWh Energy Storage

### Features

- Powers homes or businesses for 8-10 hours, scalable for larger needs.
- Cuts electricity costs by 30-50% with peak shaving & solar optimization
- Seamless grid/off-grid switching for uninterrupted power during outages.
- LFP battery with 6,000+ cycles, fire-resistant & real-time monitoring.
- Reduces CO<sub>2</sub> emissions by ~200 tons/year, ideal for solar/wind pairing.



Efficient heat  
dissipation



Ultra-large  
capacity



Intelligent  
management



Friendly  
interaction



Ark Series

## 158-316kWh Transportable ESS Charger

### Features

- Smart & High-Efficiency Control
- Comprehensive Safety Protection
- Cluster-Level Precision Management
- Flexible Charging Modes
- Modular & Easy Deployment



Extra large  
capacity



Flexible  
deployment



Storage  
Charging



Cost reduction  
and efficiency

### Specifications

S. NO	Parameters	Requirements
1	Capacity	215kWh
2	Charge power	100kW
4	Discharge power	100kW
5	Grid voltage	380Vac±15%
6	Input Methods	3-phase,4-wire
7	Grid frequencies	45~65Hz
8	Ambient Temperature Range	-25 to 55°C
9	DC Voltage Range	500~900Vdc
10	Discharge depth	≤95%
11	Charge/discharge ratio	<0.5C
12	Cycle times	>6000
13	Battery	3.2V/280Ah
14	Pack voltage	153.6V
15	Total current harmonic	<3%
16	Power factor	≤99%
17	Protection level	IP54
18	External communications	Ethernet
19	Cooling method	Liquid-cooled
20	Temperature range	-20~55°C
21	Anti-reverse flow meter	Optional
22	Fire extinguishers	Aerosol

Note:For specific models and parameters, please refer to the technical specifications.

### Specifications

S. NO	Parameters	Requirements
Battery parameters		
1	Battery charging power	60kW
2	Charging voltage	380V（AC）/DC
3	Charging standard	CCS1/CCS2/CHAdeMO/GBT
4	Nominal capacity	122kWh
5	Charge rate	≤0.5C
6	Discharge rate	≤1C
7	Battery voltage range	537.6~691.2V
8	Cycles	>5000
9	Rated voltage	614.4V
Charging parameters		
10	Rated power	120kW
11	Output voltage range	DC200-1000V
12	Output current range	0~200Amp
13	HMI	12.1-inch touch screen
14	Networking method	4G
Whole machine parameters		
16	Operating temperature/°C	-10°C-55°C
17	Cooling method	air cooled
18	Altitude/m	2000m
19	Relative humidity/RH	5%~95%RH, non-condensing

Note:For specific models and parameters, please refer to the technical specifications.



Ark Series

215/261kWh  
Storage-Charging All-in-One System

Features

- Fast DC-coupled charging, minimal grid impact.
- Over/under voltage, current, temperature; touchscreen alerts.
- Single software for energy storage & charging.
- Adjustable CC/CV/float/equalizing modes.
- Space-saving, modular design.



Efficient heat  
dissipation



Ultra-large  
capacity



Intelligent  
management



Storage  
Charging

Specifications

S. NO	Parameters	Requirements
Battery parameters		
1	Battery charging power	60kW
2	Charging voltage	380V（AC）/DC
3	Charging standard	CCS1/CCS2/CHAdeMO/GBT
4	Nominal capacity	122kWh
5	Charge rate	≤0.5C
6	Discharge rate	≤1C
7	Battery voltage range	537.6~691.2V
8	Cycles	>5000
9	Rated voltage	614.4V
Charging parameters		
10	Rated power	120kW
11	Output voltage range	DC200-1000V
12	Output current range	0~200Amp
13	HMI	12.1-inch touch screen
14	Networking method	4G
Whole machine parameters		
16	Operating temperature/°C	-10°C-55°C
17	Cooling method	air cooled
18	Altitude/m	2000m
19	Relative humidity/RH	5%~95%RH, non-condensing

Note:For specific models and parameters, please refer to the technical specifications.



Ark Series

1000-2000kWh  
Container Energy Storage System

Features

- Fast DC-coupled charging, minimal grid impact.
- Over/under voltage, current, temperature; touchscreen alerts.
- Single software for energy storage & charging.
- Adjustable CC/CV/float/equalizing modes.
- Space-saving, modular design.



Efficient heat  
dissipation



Ultra-large  
capacity



Intelligent  
management



Storage  
Charging

Specifications

S. NO	Parameters	Requirements
1	Capacity	215kWh
2	Charge power	100kW
4	Discharge power	100kW
5	Grid voltage	380Vac±15%
6	Input Methods	3-phase,4-wire
7	Grid frequencies	45~65Hz
8	Ambient Temperature Range	-25 to 55°C
9	DC Voltage Range	500~900Vdc
10	Discharge depth	≤95%
11	Charge/discharge ratio	<0.5C
12	Cycle times	>6000
13	Battery	3.2V/280Ah
14	Pack voltage	153.6V
15	Total current harmonic	<3%
16	Power factor	≤99%
17	Protection level	IP54
18	External communications	Ethernet
19	Cooling method	Liquid-cooled
20	Temperature range	-20~55°C
21	Anti-reverse flow meter	Optional
22	Fire extinguishers	Aerosol

Note:For specific models and parameters, please refer to the technical specifications.



# EV Power Solutions

## Battery Swap Cabinet

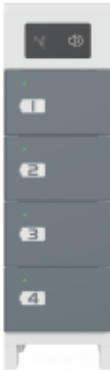
### Product Overview

HG Power has two-wheeler and three-wheeler charging and discharging solutions, with products including 10-way electric bicycle charging piles, as well charging and battery replacement products for 4-12-bay electric vehicles, to help your travel.



#### 10-Port E-Bike Charging

- Operation only takes 15 seconds, quick and convenient;
- Intelligent recognition of lithium batteries, monitoring battery health index;
- Can intelligently manage the charging, automatic power off when fully charged;
- Cloud data upload and control, always know the operation status;
- Strong structure, safe explosion-proof;



#### 4-Slot Battery Charging/ Switching Cabinet

- Operation only takes 15 seconds, quick and convenient;
- Intelligent recognition of lithium batteries, monitoring battery health index;
- Can intelligently manage the charging, automatic power off when fully charged;
- Cloud data upload and control, always know the operation status;
- Strong structure, safe explosion-proof;



#### 12-Slot Battery Charging/ Switching Cabinet

- Operation only takes 15 seconds, quick and convenient;
- Intelligent recognition of lithium batteries, monitoring battery health index;
- Can intelligently manage the charging, automatic power off when fully charged;
- Cloud data upload and control, always know the operation status;
- Strong structure, safe explosion-proof;



### 4-Slot Battery Charging/ Swapping Cabinet

Features

- Operation only takes 15 seconds, quick and convenient;
- Intelligent recognition of lithium batteries, monitoring battery health index;
- Can intelligently manage the charging, automatic power off when fully charged;
- Cloud data upload and control, always know the operation status;
- Strong structure, safe explosion-proof;



Strong structure



Easy to operate



Intelligent recognition



Automatic power cut

Specifications

S. NO	Parameters	Requirements
1	Rated Power	3KW
2	User Interface	LED
4	Compartment Dimensions	225*250*400(mm)
5	Device Dimensions	550*430*1468 (mm)
6	Input Voltage	180~264V/Ac
7	Input Frequency	45~66Hz
8	Charging Interface	2+6
9	Output Voltage	43 ~ 75VDC
10	Rated Current	10A
11	Cabinet Weight	65Kg
12	Fire Extinguishing Method	Aerosol Fire Extinguishing
13	Current Limit Protection Value	≥110%
14	Efficiency	≥92%
15	Power Factor	≥0.99
16	Operating Altitude	<2000m
17	Charging Mode	Scan QR Code
18	Payment Method	QR Code Payment
19	Networking Method	4G
20	Safety Features	Over Current, Under Voltage, Under Current, Over Voltage, Residual Current, Surge Protection, Leakage Protection, Short Circuit, Over Temperature, etc.
21	Operating Temperature	-25°C~~+60°C
22	Cooling Method	Air Cooling

Note:For specific models and parameters, please refer to the technical specifications.



### 12-Slot Battery Charging/ Swapping Cabinet

Features

- Operation only takes 15 seconds, quick and convenient;
- Intelligent recognition of lithium batteries, monitoring battery health index;
- Can intelligently manage the charging, automatic power off when fully charged;
- Cloud data upload and control, always know the operation status;
- Strong structure, safe explosion-proof;



Strong structure



Easy to operate



Intelligent recognition



Automatic power cut

Specifications

S. NO	Parameters	Requirements
1	Rated Power	7KW
2	User Interface	LED
4	Compartment Dimensions	225*250*400(mm)
5	Device Dimensions	1100*600*2020(mm)
6	Input Voltage	AC220V
7	Input Frequency	45~66Hz
8	Charging Interface	2+6
9	Output Voltage	43 ~ 73VDC
10	Rated Current	10A
11	Cabinet Weight	150Kg
12	Fire Extinguishing Method	Aerosol Fire Extinguishing
13	Current Limit Protection Value	≥110%
14	Efficiency	≥92%
15	Power Factor	≥0.99
16	Operating Altitude	<2000m
17	Charging Mode	Scan QR Code
18	Payment Method	QR Code Payment
19	Networking Method	4G
20	Safety Features	Over Current, Under Voltage, Under Current, Over Voltage, Residual Current, Surge Protection, Leakage Protection, Short Circuit, Over Temperature, etc.
21	Operating Temperature	-25°C~~+60°C
22	Cooling Method	Air Cooling

Note:For specific models and parameters, please refer to the technical specifications.





V2G Series

15/20kW  
Bidirectional Charger

Features

- Bidirectional Energy Flow for Efficient Energy Utilization;
- Peak Shaving and Valley Filling to Reduce Electricity Costs;
- High Integration and Intelligent Control;
- Emergency Backup Power for Enhanced Reliability;
- Multi-Scenario Compatibility and Scalability;



Two-way  
conversion



Voltage  
compatibility



Grid  
support



Remote  
management



V2G Series

30-240kW  
Bidirectional Charger

Features

- Bidirectional Energy Flow for Efficient Energy Utilization;
- Peak Shaving and Valley Filling to Reduce Electricity Costs;
- High Integration and Intelligent Control;
- Emergency Backup Power for Enhanced Reliability;
- Multi-Scenario Compatibility and Scalability;



Two-way  
conversion



Voltage  
compatibility



Grid  
support



Remote  
management

Specifications

S. NO	Parameters			Requirements
1	Charger Capacity			15-20kW
2	Installation mode			Vertical
3	Rectifier mode	Input Voltage Range		304~485Vac
4		Input voltage frequency		50/60±5%
5		Output voltage range		150~750VDC
6		Maximum output current		0-73.3 A
A	Inverter mode	(V2G)	DC input voltage range	200~100VDC
8			DC input maximum current	240A
9			AC output voltage range	304VAC~485VAC
10			AC output frequency	50/60±10%
11		(V2L)	AC off-grid voltage	380Vac/400Vac/415Vac
12			Precision of output voltage regulation	±1%
13			AC off-line frequency	50/60Hz
14			Off-grid output voltage THDu	≤2%
15	Display & Screen Size			7 Inches Touch Screen with Shell
16	Charging mode			Automatic charge/fixed quantity/fixed amount/fixed time
17	Payment method			Payment by swipe card/Scan Code
18	Communication between EVSE and Central Server			OCPP 1.6J Protocol (Optional)
19	Interface between Charger and CMS			Ethernet/3G/4G/WIFI (Optional)
20	Executive Standard			IEC 62196 2017, IEC 61851 2017, SAE J1772,CHAdeMO etc.
21	Protection level			IP54
22	Safety Parameters			Over Current, Under Voltage, Over Voltage, Residual Current, Surge Protection, Leakage Protection, Short Circuit, Over Temperature, etc.

Note:For specific models and parameters, please refer to the technical specifications.

Specifications

S. NO	Parameters		Requirements	
1	Charger Capacity		30-240kW	
2	Installation mode		Vertical	
3	Rectifier mode	Input Voltage Range	304~485Vac	
4		Input voltage frequency	50/60±5%	
5		Output voltage range	150~750VDC	
6		Maximum output current	0-73.3 A	
A	Inverter mode	(V2G)	DC input voltage range	200~100VDC
8			DC input maximum current	240A
9			AC output voltage range	304VAC~485VAC
10			AC output frequency	50/60±10%
11		(V2L)	AC off-grid voltage	380Vac/400Vac/415Vac
12			Precision of output voltage regulation	±1%
13			AC off-line frequency	50/60Hz
14			Off-grid output voltage THDu	≤2%
15	Display & Screen Size		7 Inches Touch Screen with Shell	
16	Charging mode		Automatic charge/fixed quantity/fixed amount/fixed time	
17	Payment method		Payment by swipe card/Scan Code	
18	Communication between EVSE and Central Server		OCPP 1.6J Protocol (Optional)	
19	Interface between Charger and CMS		Ethernet/3G/4G/WIFI (Optional)	
20	Executive Standard		IEC 62196 2017, IEC 61851 2017, SAE J1772,CHAdeMO etc.	
21	Protection level		IP54	
22	Safety Parameters		Over Current, Under Voltage, Over Voltage, Residual Current, Surge Protection, Leakage Protection, Short Circuit, Over Temperature, etc.	

Note:For specific models and parameters, please refer to the technical specifications.


20kW  
AC/DC Charging Module




Features

- Supports load sharing in standalone parallel or monitor-controlled mode
- AC input over/under voltage & over-temperature protection;
- DC output over-voltage/fan failure/overload protection;
- Smart power limiting based on input/output/temperature;
- Temperature-adaptive fan speed control;
- Address configuration, voltage/current/remote sensing/control;
- Module ID monitoring capability

  
Power regulation

  
Intelligent charging management

  
safety protection

  
Efficient heat dissipation

Specifications

S. NO	Parameters	Requirements
1	Input mode	Three-phase four-wire system (L1/L2/L3/PE)
2	Input Voltage	Rated input voltage range: 380Vac    Input Voltage Range: 280Vac~490Vac
3	Maximum input current	60 A
4	Frequency	Rated frequency: 50Hz/60Hz    Frequency Range : 45Hz~66Hz
5	Input Power Factor	≥0.99
6	Maximum output power	30kW
7	Rated output voltage	1000Vdc
8	Output voltage range	≥150Vdc~1000 Vdc。
9	Output current range	0.5 A~100 A
10	Peak efficiency	≥96.3%
11	Precision of voltage regulation	≤±0.5%
12	Steady current accuracy	≤±1%
13	Module current sharing capability	≤±5%
14	Electromagnetic compatibility	GB/T 17626;    IEC61000
15	Reliability	Failure time (MTBF) ≥3×105 h, Each veneer (MTBF) ≥4×105 h
16	Lightning protection	Common mode±5 kA, Differential±3 kA
17	Noise	≤60 dB
18	Cooling mode	Air-cooled
19	Environmental requirements	Operating temperature : -40 ℃~+75 ℃    Working humidity : 5% ~95%    Barometric pressure: 70 kPa~106 kPa
20	Dimension	L460 mm ×W330mm×H85mm
21	Net weight	15 kg


Note:For specific models and parameters, please refer to the technical specifications.


30kW  
AC/DC Charging Module





Features

- Supports load sharing in standalone parallel or monitor-controlled mode
- AC input over/under voltage & over-temperature protection;
- DC output over-voltage/fan failure/overload protection;
- Smart power limiting based on input/output/temperature;
- Temperature-adaptive fan speed control;
- Address configuration, voltage/current/remote sensing/control;
- Module ID monitoring capability

  
Power regulation

  
Intelligent charging management

  
safety protection

  
Efficient heat dissipation

Specifications

S. NO	Parameters	Requirements
1	Input mode	Three-phase four-wire system (L1/L2/L3/PE)
2	Input Voltage	Rated input voltage range: 380Vac    Input Voltage Range: 280Vac~490Vac
3	Maximum input current	60 A
4	Frequency	Rated frequency: 50Hz/60Hz    Frequency Range : 45Hz~66Hz
5	Input Power Factor	≥0.99
6	Maximum output power	30kW
7	Rated output voltage	1000Vdc
8	Output voltage range	≥150Vdc~1000 Vdc。
9	Output current range	0.5 A~100 A
10	Peak efficiency	≥96.3%
11	Precision of voltage regulation	≤±0.5%
12	Steady current accuracy	≤±1%
13	Module current sharing capability	≤±5%
14	Electromagnetic compatibility	GB/T 17626;    IEC61000
15	Reliability	Failure time (MTBF) ≥3×105 h, Each veneer (MTBF) ≥4×105 h
16	Lightning protection	Common mode±5 kA, Differential±3 kA
17	Noise	≤60 dB
18	Cooling mode	Air-cooled
19	Environmental requirements	Operating temperature : -40 ℃~+75 ℃    Working humidity : 5% ~95%    Barometric pressure: 70 kPa~106 kPa
20	Dimension	L460 mm ×W330mm×H85mm
21	Net weight	15 kg

Note:For specific models and parameters, please refer to the technical specifications.



