



## Shenzhen Hongjiali New Energy Co., Ltd.

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## New Energy Solar Storage, Charging and Swapping Overall Solution

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





SHENZHEN HONGJIALI NEW ENERGY CO. , LTD.

About HG power

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Energy Products & Solutions

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Solar storage and charging integrated solution

Integrated Solar-Storage-Charging Solution

Zero-carbon EV Charging Solution

Dedicated Fleet (Heavy-Duty Truck)Charging Solution

High-Speed Replenishment Solution

Destination Charging Solution

V2G Bidirectional Charging & Discharging Solution

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Megawatt Charging System (Mcs)

Bi-Directional Power Transfer-V2X



# 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.

## Production Workshop



<b>2016</b> Date of establishment (year)	<b>100,000,000</b> Registered capital (CNY)	<b>200<sup>+</sup></b> Product type (model)	<b>300<sup>+</sup></b> Number of employees (person)
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<b>&gt;30%</b> Percentage of R&D engineers	<b>700,000,000</b> Cumulative number of charges (kWh)	<b>30,000</b> Production plant (m²)	<b>80<sup>+</sup></b> charging stations (seats)
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# Corporate Culture



Corporate Vision  
**World-class energy service provider**



Business Philosophy  
**Leading technology, infinite innovation**



Corporate Philosophy  
**People-oriented and customer-focused**



Quality Guidelines  
**Honesty and trustworthiness, quality first**



# Development Process

2016

Shenzhen Hongjiali New Energy Co., Ltd.

New Energy Solar Storage Charging and Discharging Solutions

EV Charger



3 Subsidiaries

2019

CCYD (Shenzhen) New Energy Industry Co., Ltd.

Investment and construction of new energy vehicle charging stations, operation services as well as charging ecology and value-added services;

Charging Operation Platform



2022

Shenzhen Jiawa Digital Energy Co., Ltd.

Electric vehicle DC fast charging solution provider, aiming to provide safe, efficient, and reliable green energy solutions for users in the global new energy industry

Charging Module



2023

HongjiaLi Energy Storage Technology (Shenzhen) Co., Ltd.

New energy storage related products, to provide customers with professional Solar storage and charging integrated solutions, etc.;

Solar energy conversion



Covering the Entire New Energy Industry Chain

# Partners/Markets

Navitas

BYD

VOLTAUTO

Plug2Go

moov

MG

iHunt

KB LAMAH Motors

ABB

eholash

شاحن

PIVOTECH

ENERGYNE

Wing Energy

POWER ELECTRONICS

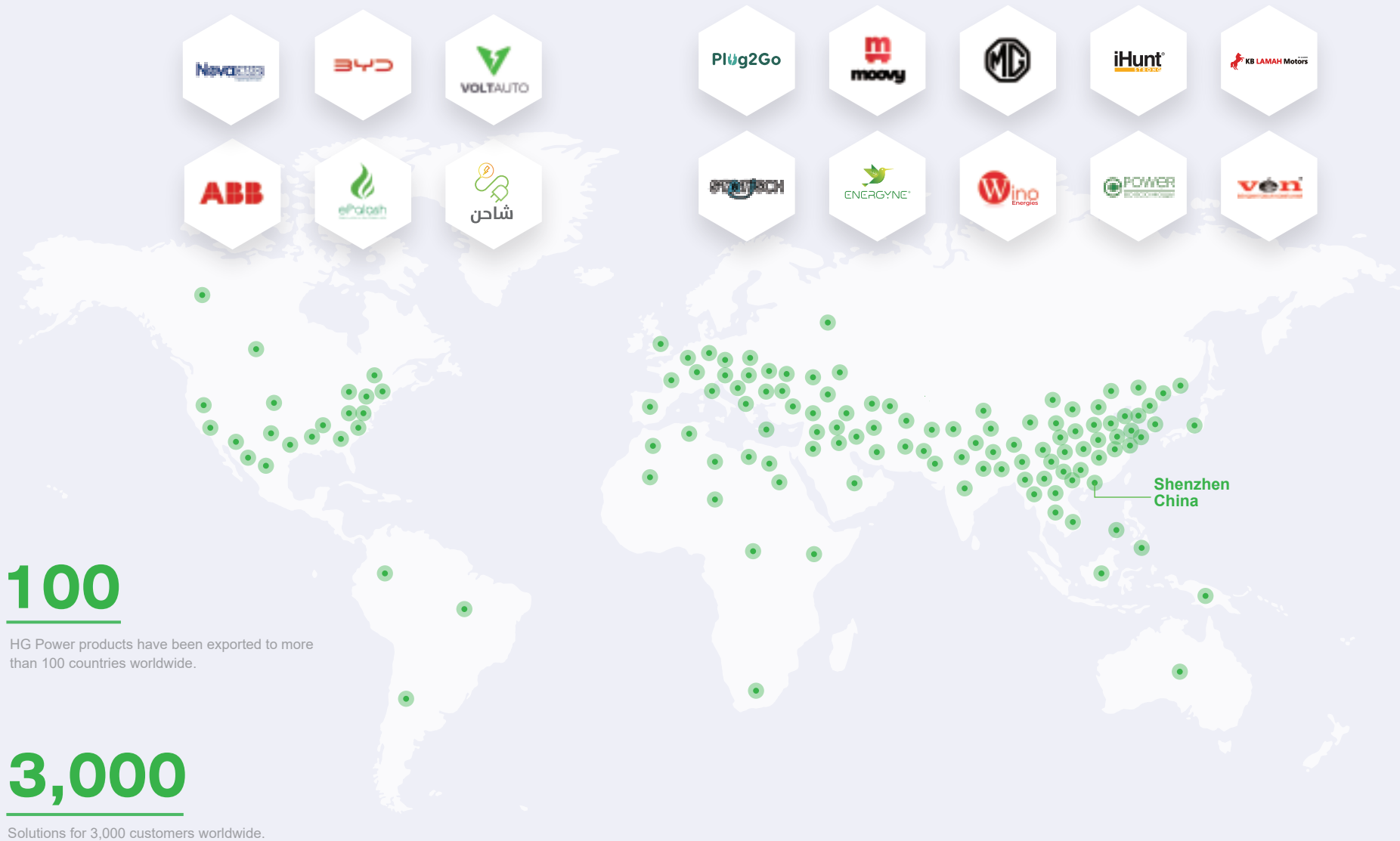
ven

100

HG Power products have been exported to more than 100 countries worldwide.

3,000

Solutions for 3,000 customers worldwide.



Shenzhen China



# Company Qualification

HG power has more than 100 certificates of various honours and qualifications, more than 40 product test reports, more than 20 computer copyright certificates, and more than 40 patents

40

Various product test reports

20

Computer copyright certificate

40

Various invention patent certificates



# 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.

200

Product Category

4

Production Line

3

Research Lab



Car charging product line



Solar storage and charging



Two or three wheeler charging



Charging module





Case Scenario





# Solar storage and charging integrated solution



# Solar storage and charging solutions

The integrated photovoltaic storage and charging solution builds an efficient and sustainable clean energy ecosystem by integrating photovoltaic power generation, energy storage systems and smart charging devices.



Green Power  
Efficient



Cost reduction and  
efficiency



Peak load  
shaving



Intelligent  
regulation

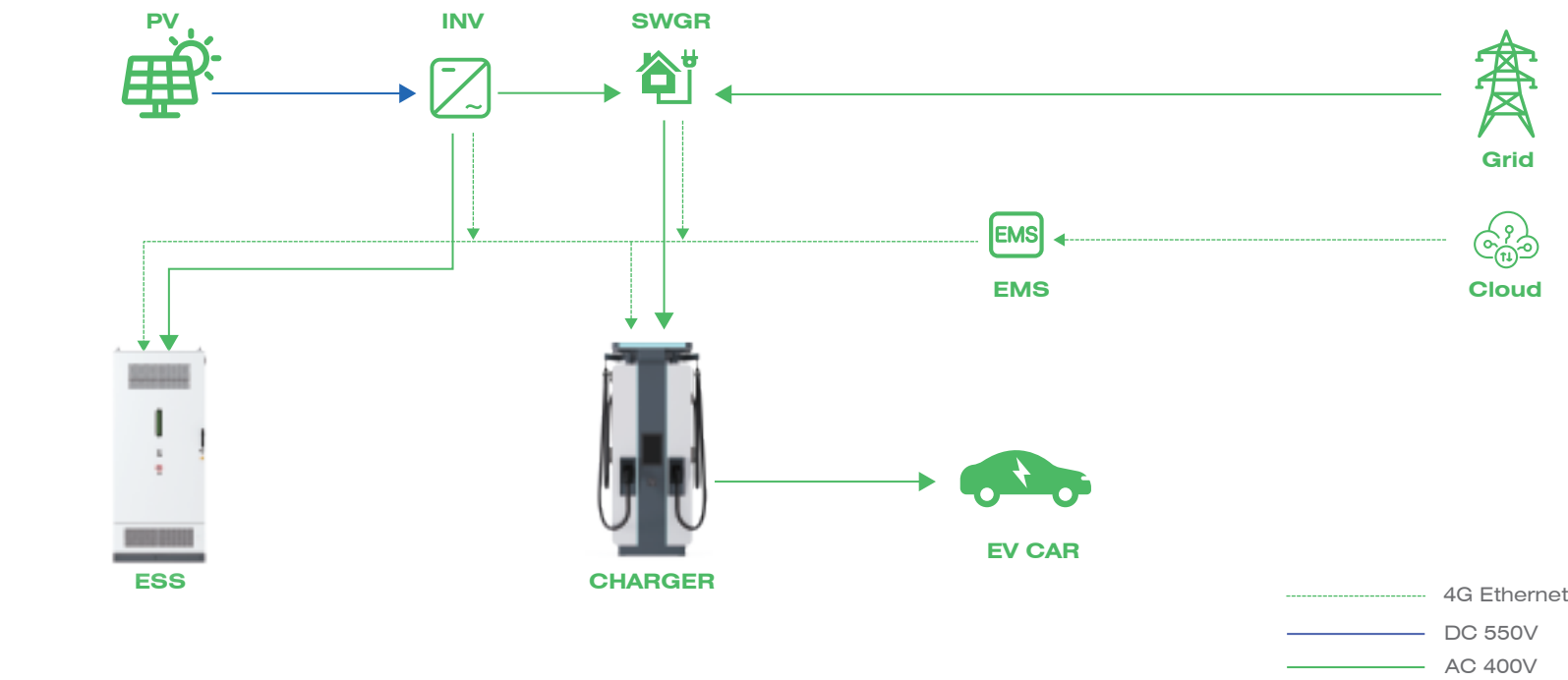


No worries  
about power cuts



Policy  
dividend

# Solution



# Application scenarios



Public charging station



High-speed service area



Industrial park



Wharf mine area

# Application product

## 215kWh Energy Storage

- Efficient heat dissipation
- Ultra-large capacity
- Intelligent management
- Friendly interaction



Ark Series

Capacity	215/261kWh
Charge-discharge	100kW/120kW
Grid connected voltage	380Vac±15% 480Vac±15%
Depth Of Discharge	≤95%
Cell type	Lithium Iron Phosphate
Heat dissipation method	Liquid cooling

## 120-180kW Integrated DC Charger

- Multiple options
- Wide compatibility
- Multiple protections
- Smart and friendly



Genesis Series

Rated power	120-180kW
Input voltage	380Vac±15% 480Vac±15%
Output voltage	200-1000Vdc
Maximum current	250A/300A
Number of Guns	2
Heat dissipation method	Air cooling



## Zero-carbon EV Charging Solution

The zero-carbon charging solution establishes a completely off-grid green charging network by integrating wind power, photovoltaic generation, and energy storage systems, freeing operations from grid dependence.



Clean energy



Zero carbon emissions



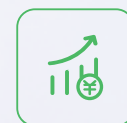
Off-grid power supply



Intelligent dispatching

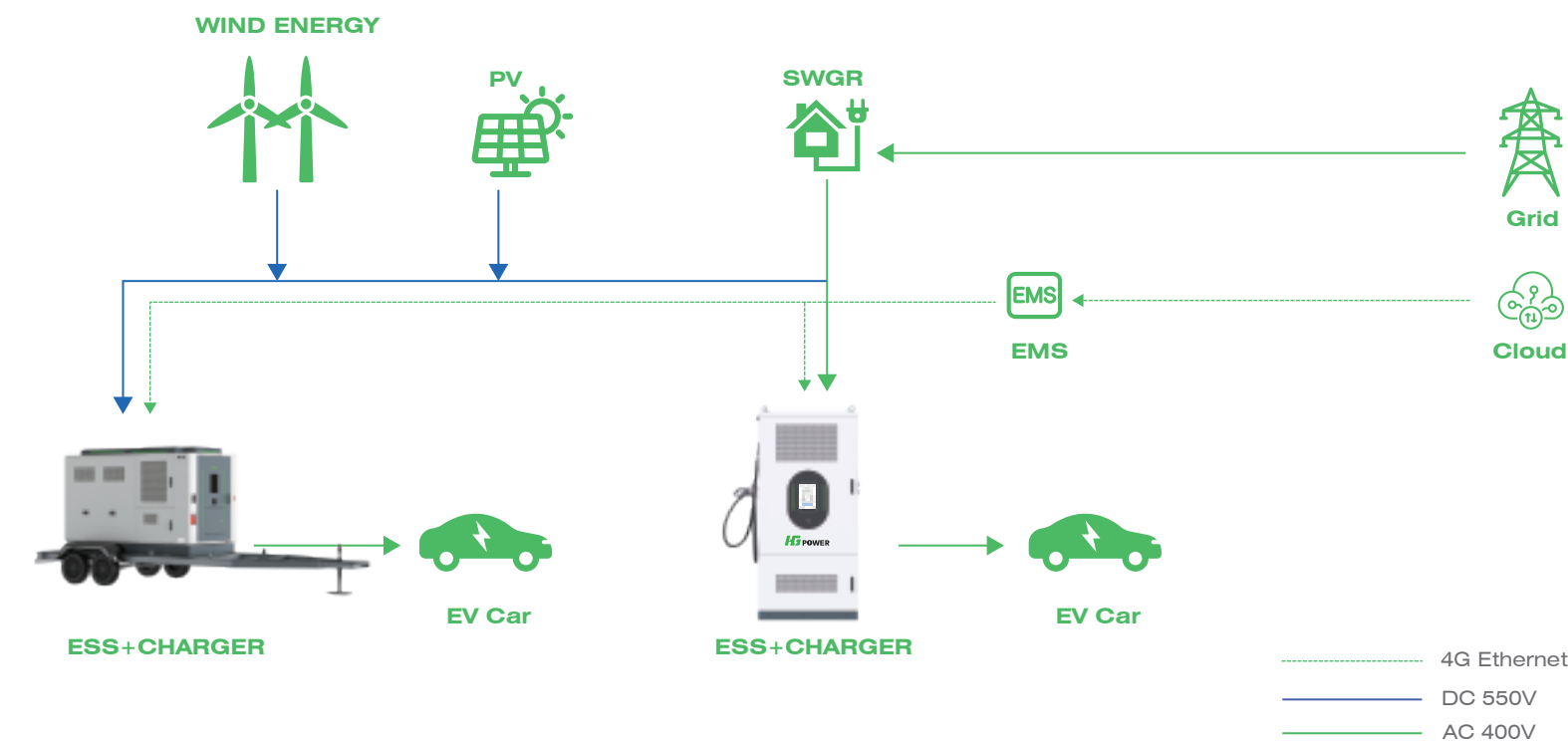


Minimal deployment

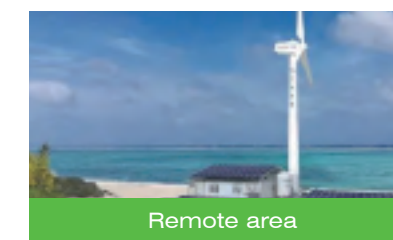
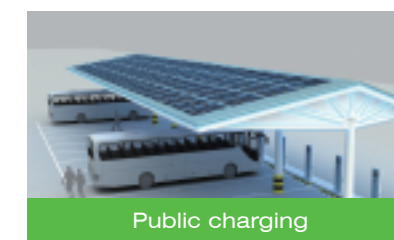


Policy dividend

## Solution



## Application scenarios



# Application product

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



Efficient heat  
dissipation



Ultra-large  
capacity



Intelligent  
management



Storage  
Charging



Ark Series

Capacity	215/261kWh
Charge-discharge	100kW/120kW
Grid connected voltage	480Vac±15% 380Vac±15%
Depth Of Discharge	≤95%
Cell type	Lithium Iron Phosphate
Heat dissipation method	Liquid cooling

## 158-316kWh Transportable ESS Charger



Extra large  
capacity



Flexible  
deployment



Storage  
Charging



Cost reduction  
and efficiency



Ark Series

Battery capacity	158-316kWh
Charging power	120kW- 240kW
Output current range	0-300A
output voltage range	150Vdc~1000Vdc
Battery voltage range	604.8Vdc~788.4Vdc
standard	CCS2/CCS1

# Dedicated Fleet (Heavy-Duty Truck) Charging Solution



Green  
energy



Extra large  
capacity



Model  
compatibility



Ultimate  
durability



Fleet  
efficiency

# Application scenarios



Logistics park



High speed service area



Mining construction site





Port terminal





# Application product

## 200-480kW Integrated DC Charger

- 

Multiple options
- 

Wide compatibility
- 

Multiple protections
- 

Smart and friendly





Rated power	200-480kW
Input voltage	380Vac±15% 480Vac±15%
Output voltage	200-1000Vdc
Maximum current	250A/300A
Number of Guns	2
Heat dissipation method	Air cooling


Genesis Series


Dedicated Fleet (Heavy-Duty Truck) Charging Solution

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

- 

Cool off quickly
- 

Charge faster
- 

Reduce noise
- 


Flexible configuration




Deepsea Series

# High-Speed Replenishment Solution

- 

High voltage compatibility
- 

Intelligent distribution
- 

Cold and heat resistant
- 

Efficient heat dissipation



# Application scenarios



High-speed Service Area



Intercity supercharging station



Logistics park



Heavy truck dedicated station

## Application product

### 40-480kW Integrated DC Charger



Multiple options



Wide compatibility



Multiple protections



Smart and friendly

### 240-720kW Separated-type DC Charging Station



Ultra high power



Charge faster



Host separation



Flexible configuration



Genesis Series

Aurora Series

## Destination Charging Solution



Business Value-Added



Safe and Reliable



Smart O&M



Remote Dispatch



## Application scenarios



Residential community



Office area



Business entity



Government unit



## Application product

### 7-40kW AC Charger DC Charger



Simple operation



Convenient charging



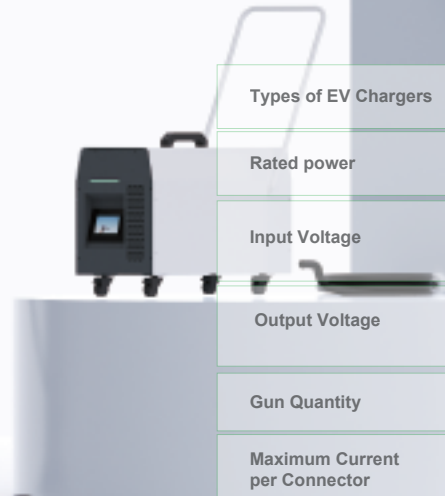
Operations management



Easy Payment



Stellar Series



Galaxy Series

Types of EV Chargers	AC Charger	DC Charger
Rated power	7-44kW	20-40kW
Input Voltage	220Vac+15% 240Vac+15% 380Vac+15%	380Vac±15% 480Vac±15%
Output Voltage	220Vac+15% 240Vac+15% 380Vac+15%	200-1000Vdc
Gun Quantity	1-2	1-2
Maximum Current per Connector	16-50A	250A/300A
Cooling Method	Air Cooling	Air Cooling

## V2G Bidirectional Charging & Discharging Solution



V2G interaction



Peak and valley adjustment



Energy synergy



Enhance returns



## Application scenarios



Home emergency



Public charging station



Remote area



Industrial park

Application product

20-240kW  
Bidirectional Charging and Discharging Equipment



Two-way  
conversion



Voltage  
compatibility



Grid  
support



Remote  
management



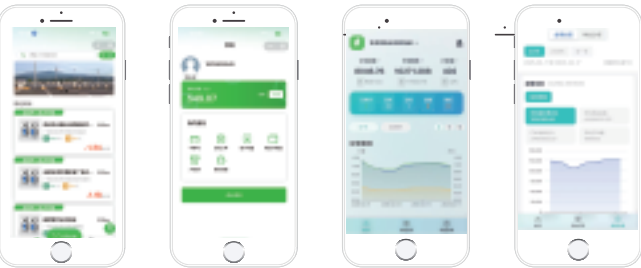
V2G Series

Rated power	20-240kW
Rectified Output Voltage	260Vac-530Vac
Rectified Single-Gun Output Current	66-250A
V2G DC Input Voltage	300Vdc-1000Vdc
V2G Discharge Current	66-250A
V2G AC Output Voltage	260Vac-530Vac

Smart Charging Cloud  
Management System

- ▶ Total charging capacity: 700 million kWh
- ▶ Total charging cost: 700 million yuan
- ▶ Daily average charging capacity: 800,000 kWh
- ▶ Real-time online users: 1.5 million people
- ▶ Total power: 2,000 MW
- ▶ Total number of charging guns: 30,000
- ▶ Total number of stations: 2,500
- ▶ Cities covered: 300

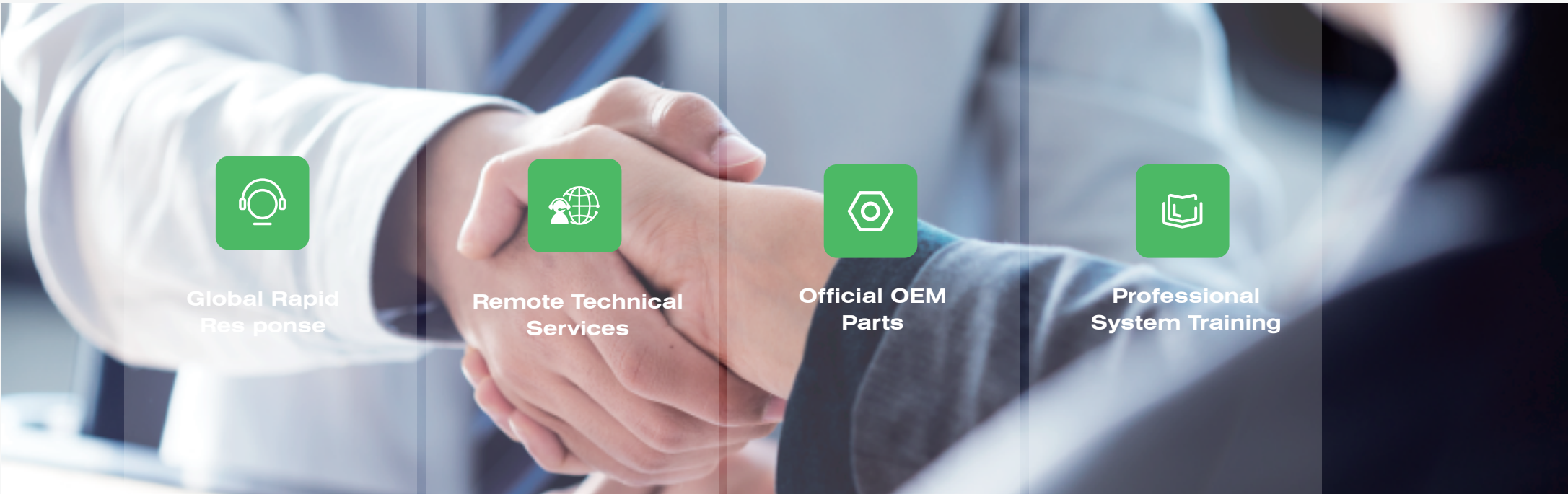
Mobile Client End





# Global After-Sale Infrastructure

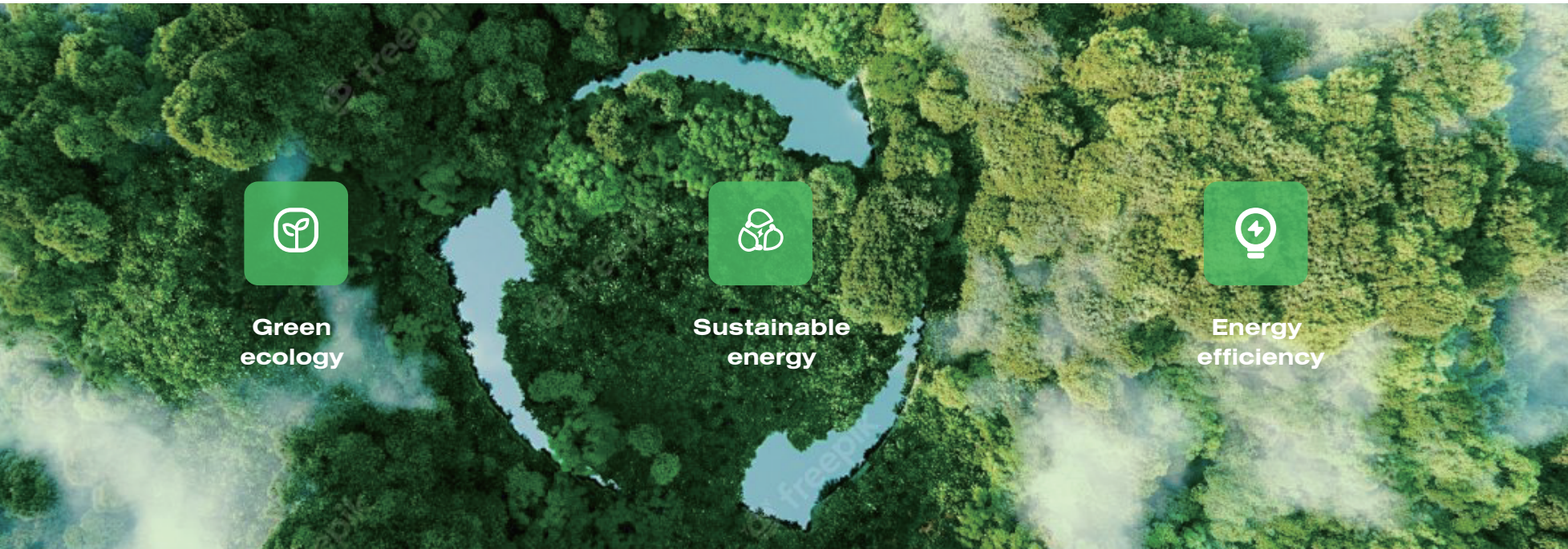
HG Power boasts a dedicated R&D and after-sales service team capable of promptly addressing service inquiries through remote diagnostics, precise problem identification, and technical resolution. HG Power's service network spans key global regions, including North America, Europe, Asia-Pacific, Latin America, and IMEA (India, Middle East, and Africa).



# Environmental Commitment At HG Power, Green Is In Our DNA

One of the greatest challenges our planet faces today is toxic emissions from gasoline-powered vehicles. At HG Power, we believe solar-storage-charging solutions represent one of the greenest, zero-emission, and sustainable answers to this crisis.

We are committed to creating a green future that goes beyond simple electric vehicles – a future that integrates renewable energy and pioneers sustainable living for generations to come.





Development planning

## Megawatt Charging System (MCS)

Coming Soon

HG Power is strategically advancing its technological frontier by developing a proprietary megawatt-level charging system. This cutting-edge solution is equipped with energy storage exceeding 1 megawatt and dispensers capable of delivering currents up to 1,500 amperes, leveraging advanced liquid-cooling technology. Specifically tailored for electric heavy-duty vehicles, the system aims to expand HG Power's charging infrastructure while meeting the growing demand for high-power charging solutions in the new energy vehicle sector.

## ULTRA-FAST CHARGING



Development planning

## Bi-Directional Power Transfer - V2X

Coming Soon

HG Power's V2X technology is designed to establish an integrated energy network that facilitates power supply among households, grids, loads, and vehicles. It paves the way for dynamic energy trading and enhances intelligent energy management. By leveraging V2X, HG Power can harness renewable energy stored in electric vehicle batteries and redistribute it to various devices and networks, particularly during peak demand periods. This technology plays a pivotal role in optimizing peak load management, thereby improving efficiency, reducing household energy costs, and achieving significant energy savings.

## RENEWABLE ENERGY

