



Electrify our future together

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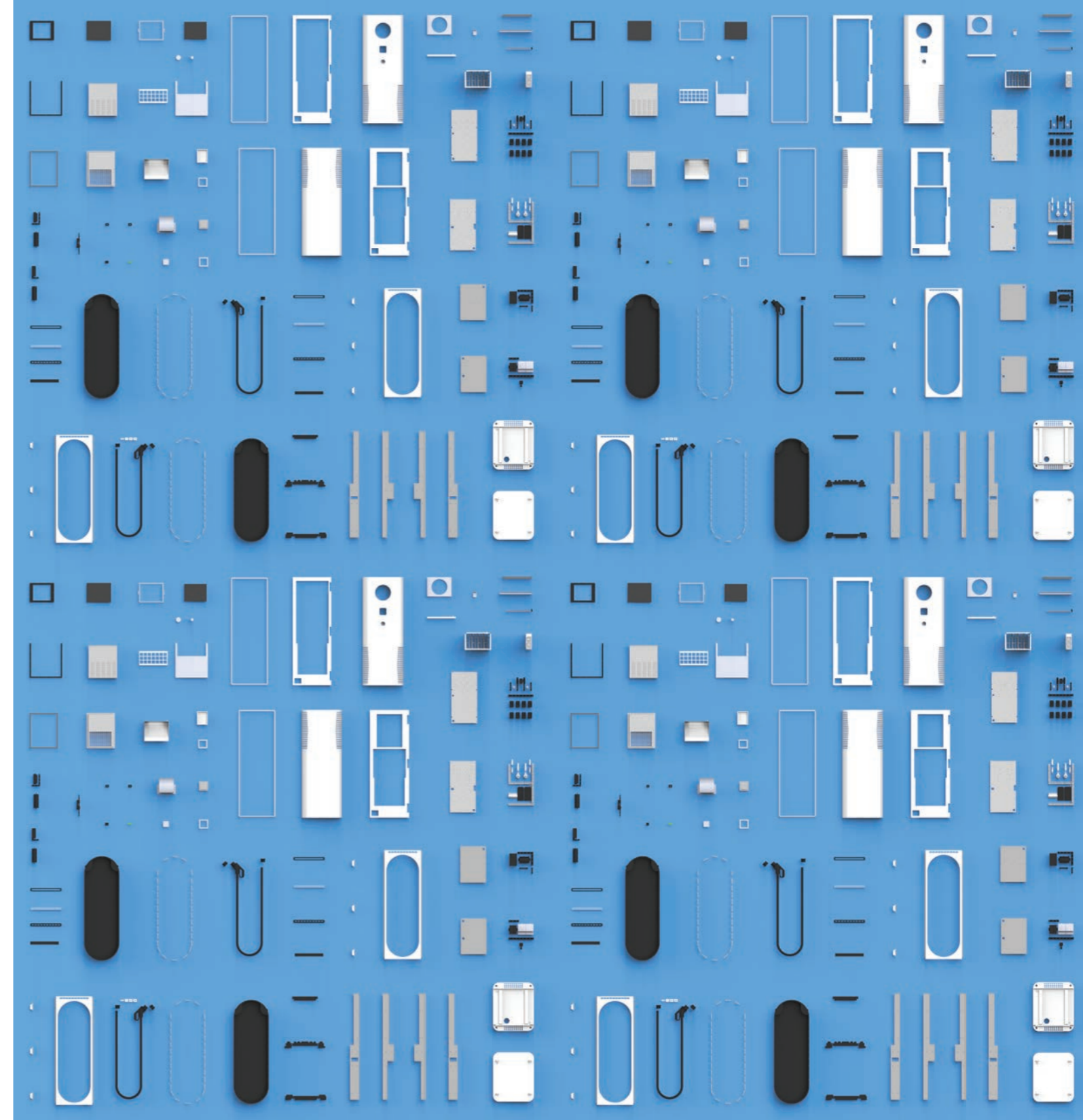


Official Website

Charge the World with X

XCHARGE





“We offer ‘one stop’ charging solutions for the upcoming e–mobility world. Charging shall no longer be a hindrance. Let the charging services accompany our march towards the electric future.”

— Ray Ding, CEO, XCharge

XCHARGE

Industry Leader of
EV Charging Solution

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Company Profile

Pioneer in the Global Charging Industry
Simpler Charging Process
Better Electric Life

01

Revolutionary IoT-based Charging Service

With its rich industry experience and profound insight into future energy reform, XCharge leads the new IoT charging service trend of “smart hardware + XCloud-based software” with subversive design and concept, and strives to help all kinds of charge point operators (CPOs) to optimize their operating costs, improve operational efficiency, and maximize the profit of their charging business.

Since its establishment on May 4, 2015, XCharge has been committed to providing industry-leading electric vehicle charging facilities and integrated energy solutions. The company owns a series of smart chargers, including the Red Dot Award-winning C2 and C6, and the future-proof 360 kW super charging station C9, all of which can be connected to the XCloud-based operating platform for remote station management. To date, XCharge has deployed almost 30,000 charging devices nationwide, together with strong partners, including some of the most esteemed companies in the industry, such as State Grid, Baidu, GLP and DiDi.

In 2017, by establishing its wholly owned subsidiary XCharge Europe GmbH in Hamburg, Germany, the company officially launched its overseas business. In the future, XCharge aims at sharing its advanced charging solutions with more countries and regions.

XCharge, simpler charging story makes a better electric life.



Ray Ding CEO & Founder

Responsible for product roadmapping and company strategy development.

Ray graduated from Beijing Jiaotong University with a bachelor's degree in Computer Science. Having worked with Tesla (China), China Automotive News, Electric Beijing, and Google (China), he has gained profound experience from the Internet, media and automotive industries, as well as the construction and operation of commercial EV charging stations.

Simon Hou COO & Co-Founder

Responsible for strategic planning, global business development, and management.

Simon graduated from University of Toronto with a bachelor's degree in Business Administration in Finance. Prepared with extensive experience in the automotive industry from Tesla (China) and Mercedes-Benz (Beijing), he holds a very strategic approach to distinguish XCharge from its peers in both China and abroad, and is skilled at using economic models for business analysis and management.

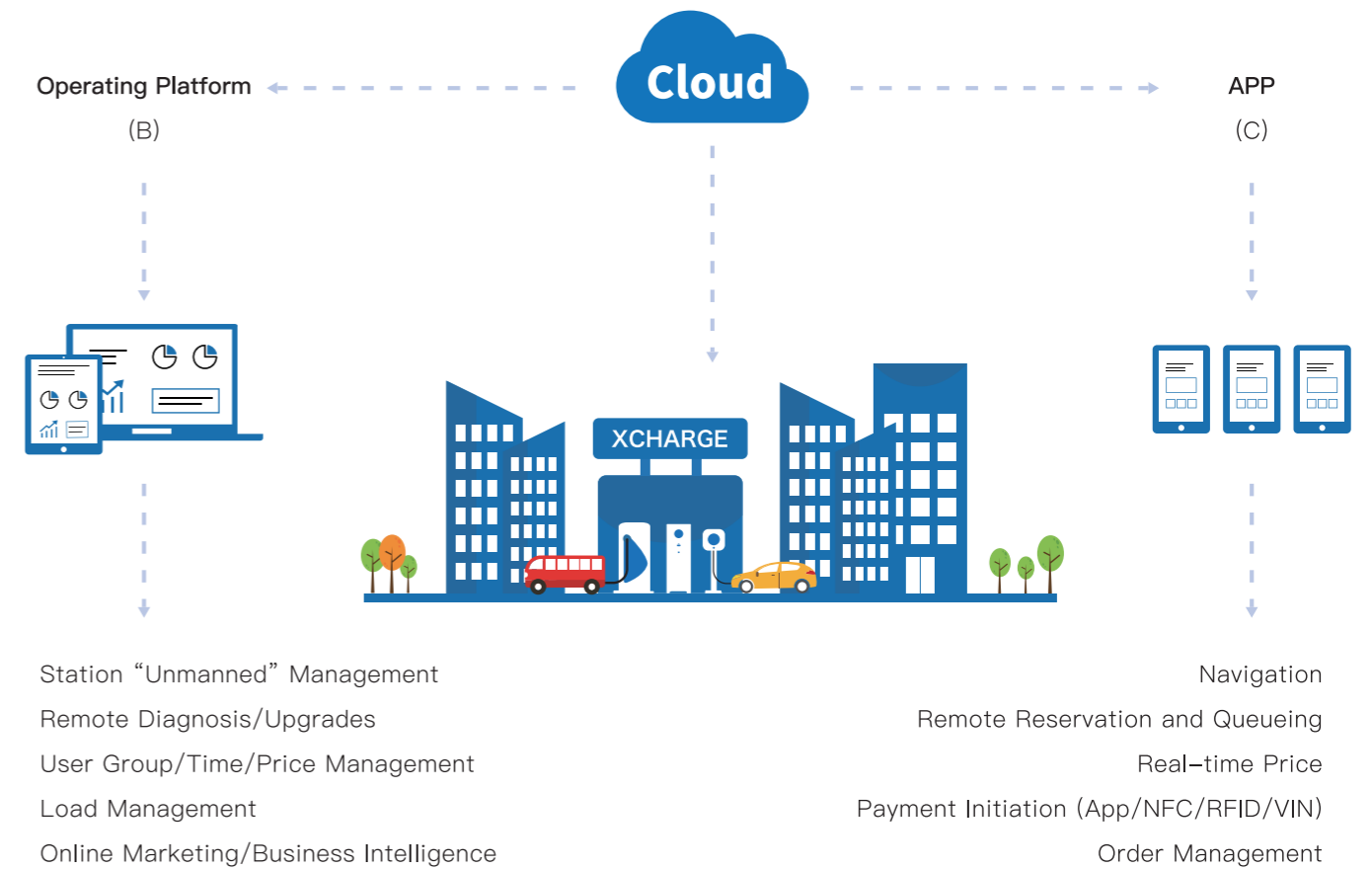


“One Stop” Charging Solutions

Smart, Connected, Efficient, Economic

02

Smart Hardware + XCloud-based Software “One Stop” Charging Service



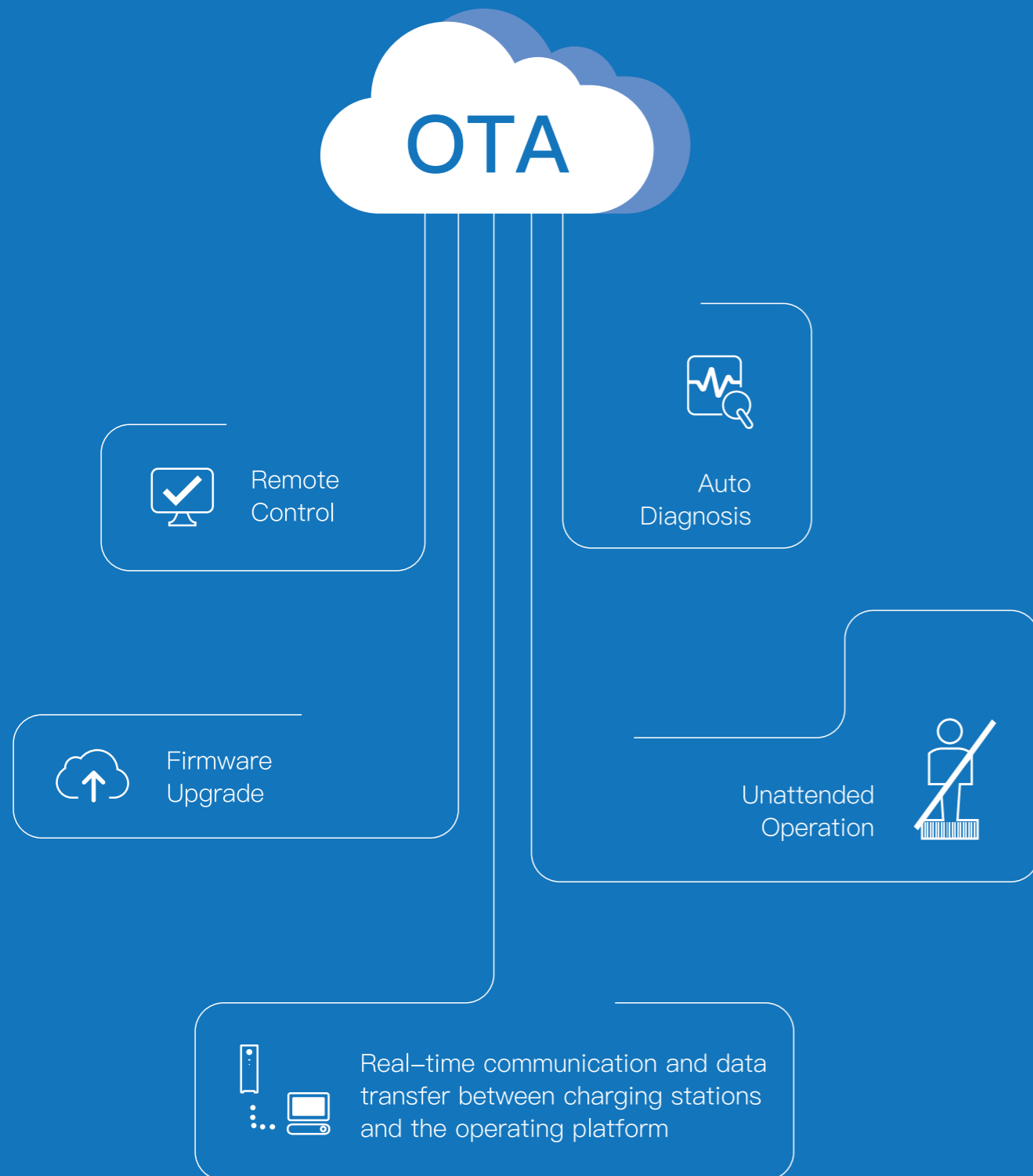
Key Competitiveness

XCharge is a provider of industry-leading smart charging solutions. Its “smart hardware + XCloud-based software” system has penetrated the entire process of EV charging and station management, responding with effective solution to every possible problem. All chargers are equipped with Cortex-A8 smart chip and Android-based operating system. By allowing real-time communication and data transfer with XCloud-based operating platform, advanced OTA functions such as remote product control and diagnosis, firmware upgrades, and unattended charging station operation can all be achieved.

Instead of just manufacturing and selling charging stations, XCharge offers customizable “one stop” charging services to enable more profitable business models, better preparing its business clients for the exciting EV era.

XCloud, Easier Shared Charging

Supported by SOA architecture, large-scale cluster technology and IoT system, XCloud develops a revolutionary yet easier shared charging concept; performing real-time communication and data transfer with the charging devices, completing remote control and management of charging services, devices and processes.



Operating Platform (PC/Mobile)



Delicacy Management

- Bind to XCharge's WeChat service account, define and set up privilege levels
- Manage chargers by site, model, or device
- Supportive financial management tools



Flexible Operation

- Control opening hours, service prices, and user accessibility
- Connect to the mainstream navigation platforms to increase traffic
- Parking management and delay fee mechanism to improve turnover and profitability
- Ad push and online marketing



Real-time Monitoring & Protection

- Omnidirectional device monitoring and control over the air
- 24/7 alert system, automatic fault handling
- Real-time diagnosis and log backup



Data Insight

- Multidimensional management and statistical analysis of operational data
- Resource optimization and revenue forecasting, supporting business decisions



Openness

- Provide Open API
- Support interconnection standards
- Third-party accessibility is allowed



APP/WeChat Services

- Charger availability checking and navigation
- Real-time price checking
- Reservation and queueing
- Order management
- Payment and charging process initiation (App/NFC/RFID/VIN)

* Find "xcharger" on WeChat to add the official service account

Product Portfolio

C1/C2/C4/C6/C6S/C9/CEIC
Red Dot Award-winning Designs
Polished Design, Reliable Performance

03

2

Red Dot Award-winning Designs



10_{min}

Ultra-fast Charging



360_{kW}

Massive Power Output



C1

AC Wallbox

- Economic AC charging for large-scale deployment by EV manufacturers and real estate developers



Features



Simple Design

- User-friendly design of plug holder keeps the cable from kinking
- Wirings are concealed for safety
- Combine functionality and aesthetics



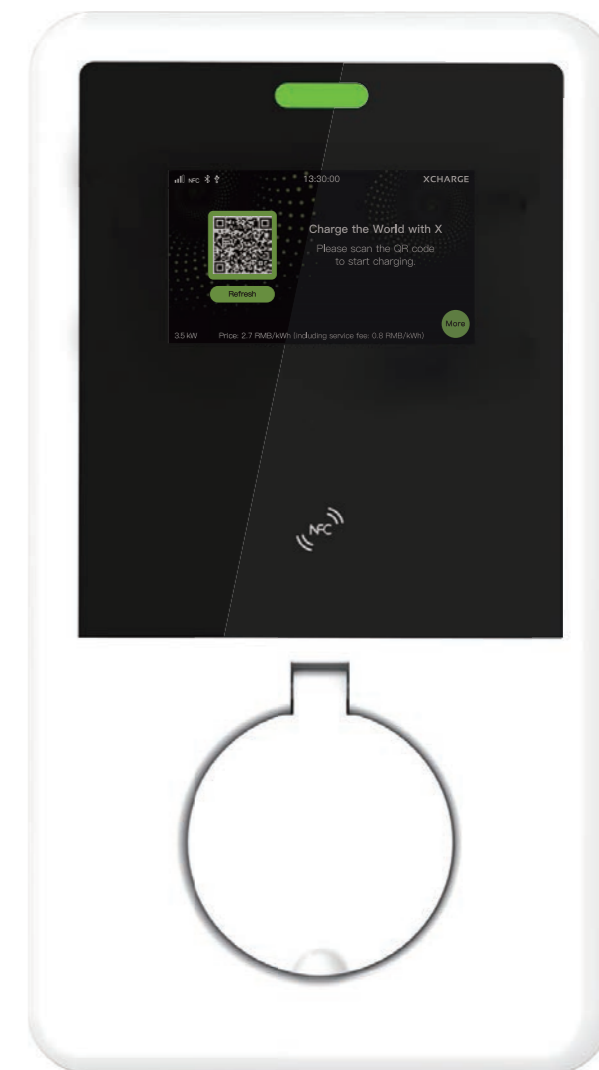
Cost-effective Choice

- Low cost with high performance



High Compatibility

- Compatible with most EVs on the road
- 2G/LAN enabled



Specifications

Model	Dimensions	Installation	Post	Input Voltage	Supported Connector Type	Output Power	Screen
C115	220x126x400 mm	Wall-mounted	Optional	220 V _{AC} ±20%	GB/T Case C	7 kW	4.3-inch Capacitive Touchscreen

Communication Standard	Operating System	Operating Temperature	Protection Level	Safety Protection
2G/LAN	RTOS	-20 ~ 55°C	IP54	Type A leakage protection; over/undervoltage, overload, short circuit, reverse connection, grounding, over-temperature protection

C2

AC Wallbox

- Smart AC fast charging for assigned and shared parking in residential and commercial areas
- Red Dot Award 2016: “best of the best”
- C2EU (Type 2) is available for the European market



reddot award 2016
best of the best

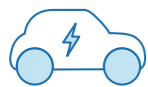


Features



Android OS

- Incorporated ARM processor ensures smooth user experience
- Scan QR code, swipe NFC card or use mobile App to initiate or stop a charging session
- Advanced OTA functions include remote software upgrades, auto diagnosis and push advertising



Smart Parking Management

- Built-in radar detects and reads parking status
- Delay fee mechanism increases parking turnover



Customizable Appearance

- IML technology-supported customization available upon request

Specifications

Model	Dimensions	Installation	Post	Input Voltage	Cable Length	Supported Connector Type	Output Power	Screen
C202	290x290x60 mm	Wall/Post-mounted	Optional	220 V _{AC} ±20%	5 m	GB/T	7 kW	9.7-inch HD Screen
C204				380 V _{AC} ±15%			21 kW	

Communication Standard	Operating System	Timer	Operating Temperature	Protection Level	Safety Protection	Payment Method
3G/4G /LAN	Android	Online Setting	-20 ~ 50°C	IP54	Over/undervoltage, overload, short circuit, reverse connection, grounding, over-temperature protection	NFC/RFID/ Mobile Payment

C2EU

Model	Installation	Post	Cable Length	Supported Connector Type	Output Power	Screen	Communication Protocol	Communication Standard
C2EU Standard	Wall/Post-mounted	Optional	3 ~ 5 m	Type 2	7 kW	9.7-inch HD Screen	OCPP 1.6 Jason/ OCPP 2.0/ XCharge Protocol	2G/3G/4G/ LAN/WiFi
C2EU Advanced					22 kW			

Operating System	Timer	Operating Temperature	Protection Level	Safety Protection	Payment Method	Standards
Android	Online Setting	-25 ~ 50°C	IP54	Over/undervoltage, overload, short circuit, grounding, over-temperature protection	NFC/RFID/ Mobile Payment	IEC 61851, EN 301489, EN 300330, EN 301908, EN 301511, EN 50385,

C4

Dual-plug AC Charger

- AC fast charging for electric passenger cars and logistics vehicles



Features



High Power Output

- 84 kW massive power output
- Max. power output/plug up to 42 kW, close to that of normal DC chargers



Safe and Reliable

- Real-time monitoring of cabinet temperature, and terminate charging session when overheated
- RTC, leakage protection and door open alarm ensure the safety



Delicate Design

- Anodized aluminum alloy surface
- 10.1-inch HD anti-glare touchscreen
- Creative technology with Android OS offers a unique interactive experience



Specifications

Model	Dimensions	Installation	Input Voltage	Power Allocation	Cable Length	Supported Connector Type	Output Power	Screen
C403	400X360X1550 mm	Floor-mounted	380 V _{AC} ±15%	Dual-plug, Smart Distribution	5 m	GB/T	84 kW	10.1-inch HD Anti-glare Touchscreen
Communication Standard	Operating System	Operating Temperature	Protection Level	Safety Protection		Payment Method		
4G/LAN	Android	-20 ~ 50°C	IP54	Type A leakage protection, over/undervoltage, overload, short circuit, reverse connection, grounding, over-temperature protection		NFC/RFID/ Mobile Payment		

C4EU

AC Dual-Charger

- 2 Type 2 & 1 Schuko sockets
- Ideal charging solution for intercity travels



Features



High Compatibility for Intercity Travels

- Type 2 sockets for electric cars
- Schuko socket for three wheelers and scooters



Improve User Experience from the Details

- Socket height of 0.8/1.2m, handicap accessible
- Day & night modes and night illumination



Smart & Efficient

- Load management system
- Smart power distribution among sockets
- RCD and AC meter with MID certificate



Specifications

Model	Dimensions	Installation	Input Voltage	Power Allocation	Supported Connector Type	Output Power	Screen	Communication Standard
C4EU	490x360x1565 mm	Floor-mounted	230 V _{AC} ±10% 50 Hz 400 V _{AC} ±10% 50 Hz	Smart Distribution	Type 2 Schuko	44 kW	10.1-inch HD Touchscreen	2G/3G/4G/ LAN/WIFI
Communication Protocol	Operating System	Operating Temperature	Protection Level	Safety Protection		Payment Method		
OCPP 1.6 Jason/ OCPP 2.0/ XCharge Protocol	Android	-25 ~ 50°C	IP54	Over/undervoltage, overload, short circuit, anti-access, earth leakage, lightning, overheat protection		NFC/RFID/ Mobile Payment		

C6

Smart DC Charger

- Superfast DC charging for commercial and public charging stations
- Red Dot Award 2016
- C6EU (CCS Combo-2/CHAdeMO) is available for the European market



reddot award 2016
winner



Features



Visualized Communication

- 15-inch full-color HD screen displays the respective charging status for each EV plugged in
- 2x150 RGB-LED lights allow users to view charging process from a distance or in a dark environment



Smart Power Distribution

- Dual power switching modules optimize the real-time output power from either plug
- Smart and efficient power distribution to meet dynamic charging demand according to the number of vehicles, connection time, priority level, battery status, and other information



96% Power Conversion Efficiency

- Equipped with built-in power conversion module
- Close to the physical limit and highest in the industry



Low Energy Consumption vs. High Stability

- Low standby power consumption at 1/3 of industry average
- High stability with abnormal order rate lower than 5%

Specifications

Model	Dimensions	Installation	Input Voltage	Power Allocation	Cable Length	Supported Connector Type	Output Power	Screen
C6	600x720x1750 mm	Floor-mounted	380 V _{AC} ±15%	Dual-plug, Smart Distribution	5 m	GB/T	60/120 kW	15-inch HD Screen

Communication Standard	Operating System	Operating Temperature	Cooling System	Protection Level	Safety Protection	Payment Method
4G/LAN	Android	-20 ~ 50°C	Advanced Centrifugal Ventilator	IP54	Over/undervoltage, overload, short circuit, reverse connection, grounding, over-temperature protection	NFC/RFID/ Mobile Payment

C6EU

Model	Dimensions	Input Voltage	Cable Length	Output Power	Supported Connector Type	Screen	Communication Protocol	Communication Standard
C6EU	720x600x1750 mm	400 V _{AC} ±10% 50 Hz	3.5/5/7 m	80/120/160 kW	CCS CHAdeMO	15-inch HD Screen/ 15-inch HD Touchscreen	OCPP 1.6 Jason/ OCPP 2.0/ XCharge Protocol	2G/3G/ 4G/LAN

Operating System	Protection Level	Operating Temperature	Cooling System	Safety Protection	Payment Method	Standards
Android	IP54	-25 ~ 50°C	Advanced Centrifugal Ventilator	Over/undervoltage, overload, short circuit, anti-access, earth leakage, lightning, over-temperature protection	NFC/RFID/ Mobile Payment	IEC 61841, IEC 61851, IEC 62196, ISO 15118, DIN 70121

C6S

Smart DC Charger

- Superfast DC charging for commercial and public charging areas with compact space



Features



Modern Design

- Slim body integrated with large touchscreen and embedded cable collection system
- Improved product quality and user experience



Visualized Communication

- 10.1-inch HD touchscreen shows real-time charging status
- LED indicators on the side allow user to monitor charging process even from a distance



Powerful but Slimmer

- Equipped with high-conversion-rate module
- Single plug output up to 160 kW
- 68% of the size of C6, more space-saving



Specifications

Model	Dimensions	Installation	Input Voltage	Supported Connector Type	Cable Length	Output Power	Screen
C6S	425x720x1680 mm	Floor-mounted	380 V _{AC} ±15%	GB/T	5 m	60/120/160 kW	10.1-inch Touchscreen
Communication Standard	Operating System	Operating Temperature	Cooling System	Protection Level	Safety Protection		Payment Method
4G/LAN	Android	-20 ~ 50°C	Advanced Centrifugal Ventilator	IP54	Over/undervoltage, overload, short circuit, anti-access, earth leakage, lightning, over-temperature protection		NFC/RFID/ Mobile Payment

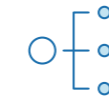
C9

Satellite DC Supercharger

- Ultra-fast DC charging station designed to meet future high power charging demand
- Charge for 10 min and you're good to go!
- Ideal for dealerships, central business and public charging areas



Features



Innovative Conjoined Design

- Space-saving, stable, convenient
- 1 PowerBOX connects up to 6 Satellites



Ultra-fast Charging

- Modular design allows a maximum power output of 360 kW, 37% higher than other advanced super charging stations in the market.
- Smart power distribution among satellite chargers to meet the real-time charging demand according to the number of vehicles, connection time, priority level, battery status, and other information



Upgraded Charging Experience

- Plug & Charge, automatic queuing system, integrated LED indicators on the side
- Shorten charging time to around 10 min
- Improved charging experience and operational efficiency of the whole station



Specifications

Model	Dimensions	Combination Style	Installation	Input Voltage	Power Allocation	Supported Connector Type	Maximum Output Power
C9 PowerBOX	720x720x1860 mm	1 PowerBOX + 2/6 Satellites	Floor-mounted	380 V _{ac} ±15%	Smart Distribution	---	360 kW
C9 Satellite	980x370x1800 mm			---	---	GB/T	180 kW
C9 Mini Satellite	360x207x1600 mm			---	---	---	---

LED Indicator	Communication Standard	Operating System	Operating Temperature	Cooling System	Protection Level	Safety Protection	Payment Method
Operating Status	4G/LAN	Android	-20 ~ 50°C	Advanced Centrifugal Ventilator	IP54	Over/undervoltage, overload, short circuit, anti-access, current leakage, lightning, over-temperature protection	Mobile Payment/VIN
Power and Charging Status				---			

CEIC

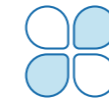
Charger Energy Internet Controller

- Make “one-stop” operation possible to every charging station
No requirement for R&D input, up to 80% cost savings



* State Grid Certified TCU Standard
* State Grid Edition and Universal Edition Available

Features



Standardized Interface & Modular Structure

- Design your own charger in 1 day with provided interface standards and component catalogs
- Flexible choice of sizes can fit into either a single body or satellite



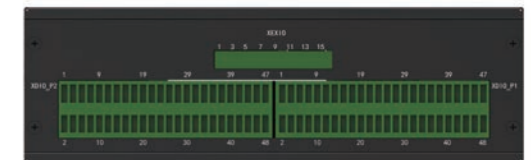
Localized Service & Reliable Maintenance

- XCloud-based operating platform realizes “unattended” management, lowers the demand for maintenance staff and component storage
- Nationwide maintenance services provided by XCharge are accessible at extra cost



High Compatibility & Real-time Demand Response

- Meet the upgraded requirements of charging power, motherboard, as well as XCloud-based operating platform
- Provide a variety of service interfaces including App, WeChat, NFC, etc., supporting secondary development on customer-end



Specifications

Model	Dimensions	Installation	Key Configuration	Multimedia	Input Voltage	Input/Output	Fieldbus
CEIC	192x124x63 mm	Fastened/Guideway	800 MHz FSB 512 MB RAM 4 GB eMMC	24-bit full color touchscreen, max resolution 1024x768, external stereo speaker, built-in buzzer	12 V _{DC} with reverse connection protection	Multiple Optocoupler Input, Relay Output	RS232 RS485 CAN
Rated Power	Data Security	Communication Standard	Extensions	Humidity	Operating Temperature	Storage Temperature	
≤ 30 W, power down hold time ≥15 s, 5 V power supply for card reader	ESAM & PSAM	4G, Dual SIM Single Standby 2-Port 100 Mbps Ethernet	Dual mode GPS, Bluetooth 4.1, WiFi, RTC SD card (64 GB)	5% ~ 95%	-20°C ~ 70°C	-20°C ~ 85°C	

Operating Revenue

Revenue Forecast + Additional Income
Industry-record Return on Investment (ROI)
Industry-leading Performance

04



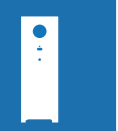
25 Smart DC Charger C6
3000_{kWh} Power Dispensed per Hour


50 Electric Passenger Vehicles

8_{hrs} Power Dispensed per Day

0.8_{RMB/kWh} Service Fee

60_{kWh} Battery Capacity per Vehicle

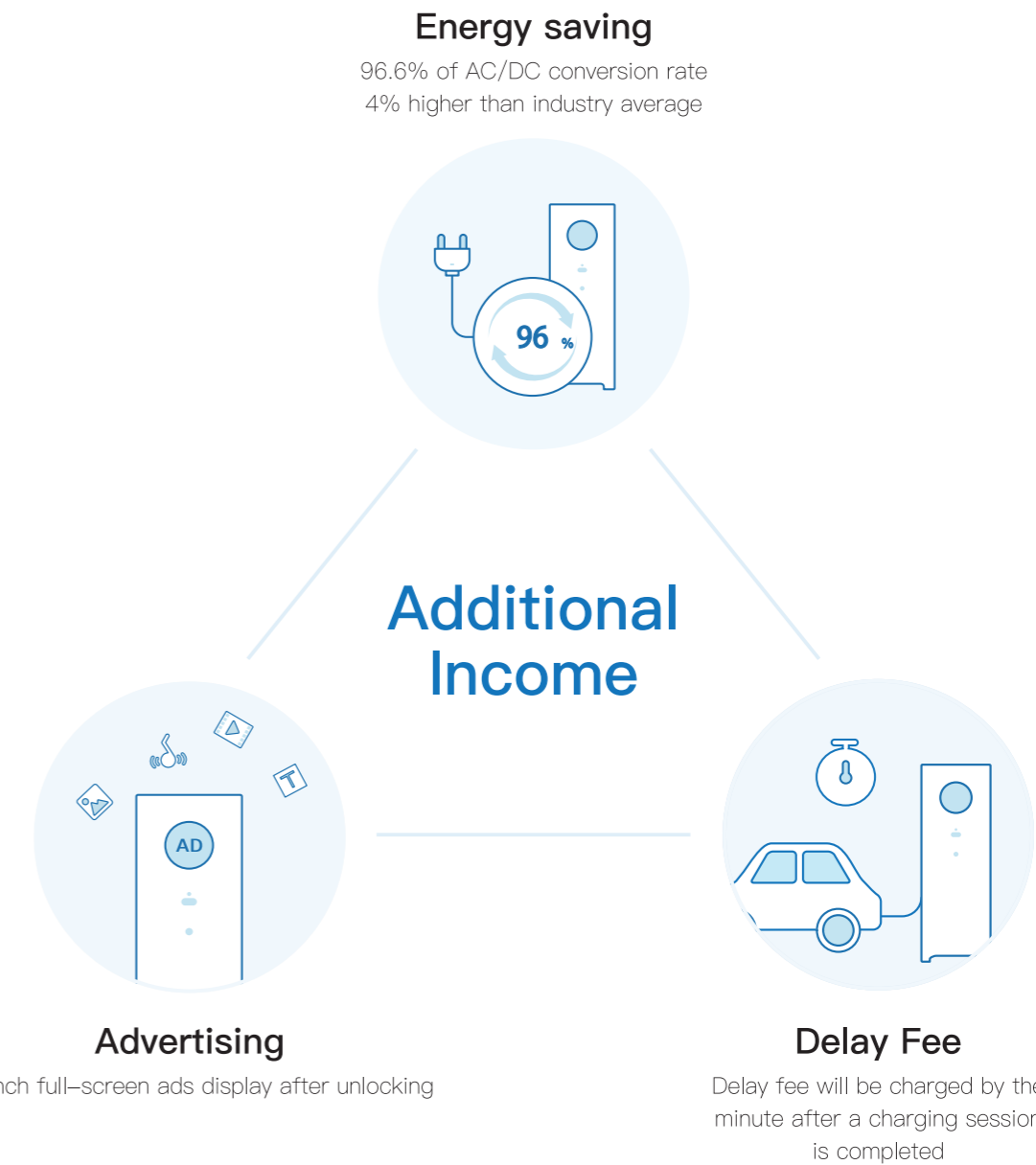
 Assuming all chargers at the station are smart DC charger C6 (120 kW) with dual plug serving two EVs at the same time.

 Exemplar EV model requires 60 kW of power input.

Item	Electricity Price	Service Fee	Share of Revenue by XCharge	Share of Revenue by CPO	Average Power Output
Unit	RMB/kWh	RMB/kWh	%	%	kW
Value	1.0	0.8	0	100	120

Operating Revenue (RMB)

Charging Hours/Charger/Day	Operating Period	No. of Chargers/Station		
		5	10	25
1	1 Day	480	960	2,400
	1 Month	14,400	28,800	72,000
	1 Year	172,800	345,600	864,000
4	1 Day	1,920	3,840	9,600
	1 Month	57,600	115,200	288,000
	1 Year	691,200	1,382,400	3,456,000
8	1 Day	3,840	6,680	19,200
	1 Month	115,200	230,400	576,000
	1 Year	1,382,400	2,764,800	6,912,000



Additional Income (RMB)

Operating Period	Power Saving (RMB)	Advertising Income (RMB)	Delay Fee (RMB)	Total (RMB)
1 Day	38.4	24	108	170.4
1 Month	1,152	720	3,240	5,112
1 Year	13,824	8,640	38,880	61,344

* Assuming the daily service time is 8 hours per charger; income per ad display is RMB 1, and a charger 24 ads per day; an average delay fee of RMB 4.5 is charged per EV, and 24 EVs pay the fee per day.

Business Cases

- Self-service Charging Station, U-Town Plaza, Beijing
- Large Centralized Charging Station, Qianhai, Shenzhen
- Fast Public Charging Station, Baifuhui, Shenzhen
- City Charging Partner Program
- Client Portfolio

05

Self-service Charging Station, U-Town Plaza, Beijing

Model	No. of Chargers	Power Dispensed	Turnover (order/charger/day)
C2	3	97	3
C6	2	385	10



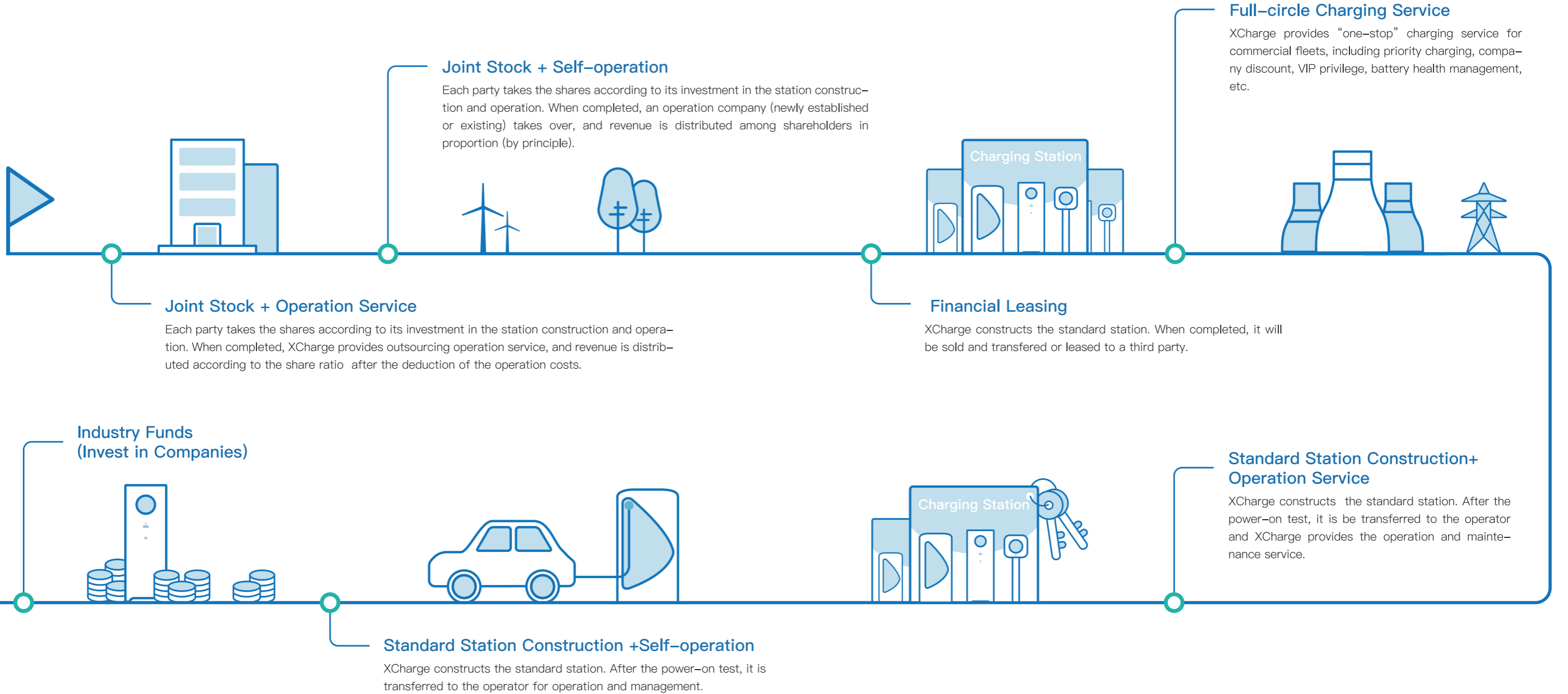
Large Centralized Charging Station, Qianhai, Shenzhen

Model	No. of Chargers	Power Dispensed	Turnover (order/charger/day)
C2	12	4229	10
C4	5	2180	17
C6	11	8714	32

Fast Public Charging Station, Baifuhui, Shenzhen





Model	No. of Chargers	Power Dispensed	Turnover (order/charger/day)
C2	10	1100	19
C4	8	1657	8
C6	15	8557	24





City Charging Partner Program

“City Charging Partner Program” aims at fostering charge point operators (CPO) and establish a nationwide charging service network, which provides high-quality and intelligent “one-stop” charging services for the upcoming electric transportation era. Initiated by XCharge, the program was launched in collaboration with the National Development and Reform Commission of China, State Grid, DiDi, Baidu Map, GLP, JD Logistics, and Prime Union in Beijing, May 5, 2018.

-  EV Fleet
-  Electricity
-  Site
-  Financial Resource

Potential operators only need to have one of the following: EV fleet, electricity, site and financial resource; then they are qualified to become “city charging partners”. XCharge helps to match customers, financial solutions, professional operators, or investment channels, as well as intelligent charging devices and cloud solutions, to promote the development of charging infrastructure.

Client Portfolio

OEMs



Charge Point Operators



Real Estate & Property Management



Fleets



Others



Be with XCharge.
Electrify our future together.