



Shenzhen EN Plus Technologies Co., Ltd.

Global Supplier for EV Charging Facilities and Software Platform



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Company Introduction

- Founded in 2015, total-solution supplier of EV charging station and cloud management system
- Top R&D team in China, rich experience in international protocol (OCPP 1.6 above)
- Full-range products, exported to 25 countries and regions since 2016
- Independent capability of Design, Manufacture and Sales, all-in-one service
- Production line covers Portable Charger, AC Charger, DC Charger, Power Module and Cloud Management System and Mobile APP, all independently developed by ourselves

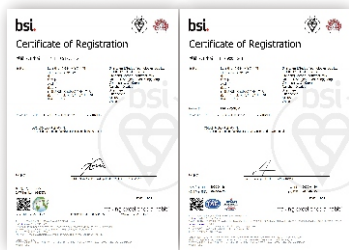


Global Partners





Certification



IATF16949 Certification



ISO9001 Quality Management
System Certification



EN+ Brand Trademark
Registration Certification



National High-tech
Enterprise Certification



Shenzhen High-tech
Enterprise Certification



Management System
Software Certification



Software Industry
Association Member



Computer Software Copyright
Registration Certification



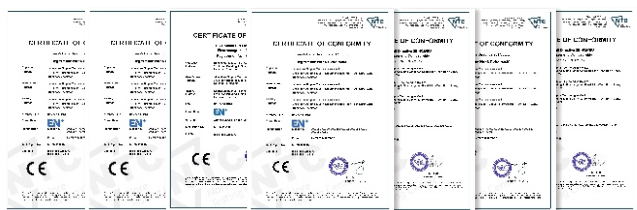
National Patent Certification



Cape Certification



CQC Certification



CE Certification



Certification Test Report

Why Choose Us

- Technology and products are core competencies. We are a total-solution supplier of hardware and software, as well as one-stop customization.
- Product innovation. Modular designed products facilitate customization for different customers. Every year we upgrade our products and develop new technology (e.g. Wi-Fi Mesh, ISO15118, OCPP 2.0), to meet the edge-leading demand of the market.
- Flexible production capacity. Besides our own factory, we also cooperate with the professional subcontract factory to provide more flexible capacity, which help us to keep a competitive business.
- Aggressive cost. We aim to provide the best products with the best cost. We internally make cost down by product design improvement and supply chain price negotiation.
- Marketing spread. Our products have been exported to >20 countries (Norway, Italy, UK, Germany, Korea, Sweden, Poland, Australia, Romania, Thailand etc.). Global player with Chinese speed.





Portable Box

Easy Operation

- Portable, plug and play
- Curve design, easy to roll

Friendly Interface

- Simple HMI with LED indicators
- Charging status identification

Robust Structure

- Anti-corrosion and weather proof
- High protection grade up to IP65

Secure and Safe

- Leakage current protection
- Over temperature protection



Portable Box

Datasheet	Model	AC3500-DE-00
Input	Power Supply	1P+N+PE
	Rated Voltage	230V AC
	Rated Current	13A
	Frequency	50/60Hz
Output	Output Voltage	230V AC
	Maximum Current	13A
	Rated Power	3kW
User Interface	Power Cord Plug	Schuko
	Charge Connector	Type 2 cable
	Cable Length	4m
	Enclosure	Plastic PC940
	LED Indicator	Green/Yellow/Red
	LCD Display	No
	Start Mode	Plug&Play
Safety	Ingress Protection	IP65
	Impact Protection	IK10
	Electrical Protection	Over current protection, Residual current protection, Ground protection, Surge protection, Over/Under voltage protection, Over/Under frequency protection, Over/Under temperature protection
	Certification	CE
	Certification Standard	EN/IEC 61851-1: 2017, EN/IEC 61851-21-2: 2018
	Warranty	2 years
Environment	Work Temperature	-30°C~+50°C
	Work Humidity	5%~95%
	Work Altitude	<2000m
Package	Product Dimension	195*74*47mm (H*W*D)
	Package Dimension	360*295*155mm (L*W*H)
	Net Weight	0.5kg
	Gross Weight	1.2kg
	External Package	Handbag/Carton





Home Mini Wallbox

Cost Effective

- Half size of A4 paper, compact design
- Home use with competitive price

Simple Operation

- Start/Stop charging by RFID card
- Simple HMI with LED indicators

Secure and Safe

- Residual current protection
- Over temperature protection
- Over current protection

Flexible Option

- Type 1 or Type 2 charging cable
- 16A or 32A adjustable output current
- RFID authentication, optional with plug and play
- Wall-mount or floor-stand installation



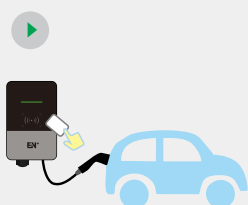
Home Mini Wallbox

Datasheet	Model	AC7000-AE-05
Input	Power Supply	1P+N+PE
	Rated Voltage	230V AC
	Rated Current	32A
	Frequency	50/60Hz
Output	Output Voltage	230V AC
	Maximum Current	32A
	Rated Power	7kW
User Interface	Charge Connector	Type 2 cable
	Cable Length	4m
	Enclosure	Plastic PC940
	LED Indicator	Green/Yellow/Red
	LCD Display	No
	RFID Reader	Mifare ISO/IEC 14443 A
	Start Mode	Plug&Play/RFID card
	Emergency Stop	Yes
Safety	Energy Meter	No
	RCD	No
	Ingress Protection	IP65
	Impact Protection	IK10
	Electrical Protection	Over current protection, Residual current protection, Ground protection, Surge protection, Over/Under voltage protection, Over/Under frequency protection, Over/Under temperature protection
	Certification	CE
	Certification Standard	EN/IEC 61851-1: 2017, EN/IEC 61851-21-2: 2018
	Warranty	2 years
Environment	Installation	Wall-mount/Pole-mount
	Work Temperature	-30°C~+50°C
	Work Humidity	5%~95%
	Work Altitude	<2000m
Package	Product Dimension	233*150*70mm (H*W*D)
	Package Dimension	480*340*135mm (L*W*H)
	Net Weight	3.6kg
	Gross Weight	4.5kg
	External Package	Carton



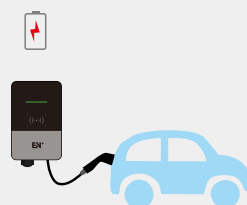
1

Plug the
charging cable into EV.



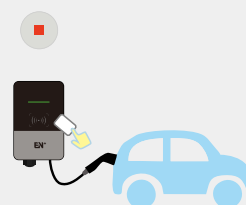
2

Swipe RFID card
to start charging.



3

The EV
is in charging.



4

Swipe RFID card
again to stop charging.



Smart Home Series Wallbox

Innovativeness

- Minimal size, streamline design
- Home use with intelligent App control

Secure and Safe

- 6mA DC residual current protection
- Anti-welding protection

Intelligent Control

- Wireless communication (Wi-Fi/Bluetooth)
- OCPP communication protocol with CMS
- Smart charge or scheduled charge by App

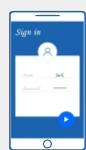
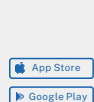
Flexible Option

- Type 1 or Type 2 charging cable
- App operation or RFID authentication or plug and play
- Wall-mount or floor-stand installation



Smart Home Series Wallbox

Datasheet	Model	AC7000-AE-25	AC011K-AE-25
Input	Power Supply	1P+N+PE	3P+N+PE
	Rated Voltage	230V AC	400V AC
	Rated Current	32A	16A
	Frequency	50/60Hz	50/60Hz
Output	Output Voltage	230V AC	400V AC
	Maximum Current	32A	16A
	Rated Power	7kW	11kW
User Interface	Charge Connector	Type 2 cable	
	Cable Length	4m	
	Enclosure	Plastic PC940	
	LED Indicator	Green/Yellow/Red	
	RFID Reader	Mifare ISO/IEC 14443 A	
	Start Mode	Plug&Play/RFID card/App	
	Emergency Stop	No	
Communication	Wi-Fi	Yes	
	Bluetooth	Optional	
	OCPP	OCPP 1.6 Json (OCPP 2.0 optional)	
Safety	Energy Meter	No	
	RCD	6mA DC	
	Ingress Protection	IP65	
	Impact Protection	IK10	
	Electrical Protection	Over current protection, Residual current protection, Ground protection, Surge protection, Over/Under voltage protection, Over/Under frequency protection, Over/Under temperature protection	
	Certification	CE	
	Certification Standard	EN/IEC 61851-1: 2017, EN/IEC 61851-21-2: 2018	
	Warranty	2 years	
Environment	Installation	Wall-mount/Pole-mount	
	Work Temperature	-30°C~+50°C	
	Work Humidity	5%~95%	
	Work Altitude	<2000m	
Package	Product Dimension	325*181*87mm (H*W*D)	
	Package Dimension	434*324*210mm (L*W*H)	
	Net Weight	3.2kg	
	Gross Weight	4.0kg	
	External Package	Carton	



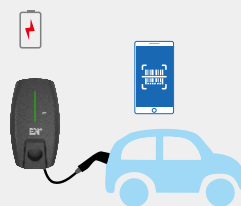
1

Download the App
and sign up an account.



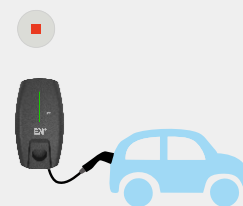
2

Plug the
charging cable into EV.



3

Scan QR code
to start the charging.



4

Stop charging in the App.



Business Series Wallbox

Innovativeness

- Temper glass panel, modern design
- Business use with intelligent App control
- WiFi Mesh technique, saving cost on wire installation

Intelligent Control

- Wireless communication (Wi-Fi/Bluetooth), Ethernet/4G optional
- OCPP communication protocol with CMS
- Intelligent operation by App and cashless payment

Flexible Option

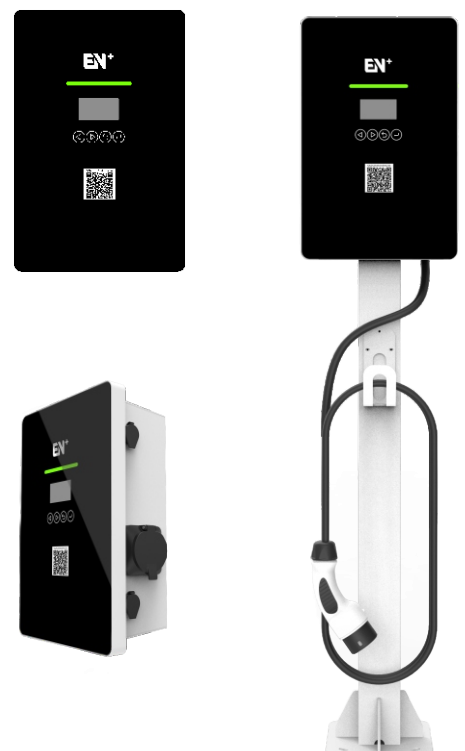
- Universal Type 2 socket, optional with Type 1/Type 2 charging cable
- App operation or RFID authentication or plug and play
- Wall-mount or floor-stand installation

Secure and Safe

- RCD Type A and 6mA DC residual current protection
- MID certified energy meter with accurate measurement



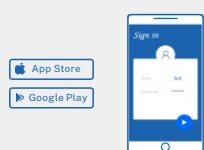
7kW



22kW

Business Series Wallbox

Datasheet	Model	AC7000-BE-34	AC022K-BE-34
Input	Power Supply	1P+N+PE	3P+N+PE
	Rated Voltage	230V AC	400V AC
	Rated Current	32A	32A
	Frequency	50/60Hz	50/60Hz
Output	Output Voltage	230V AC	400V AC
	Maximum Current	32A	32A
	Rated Power	7kW	22kW
User Interface	Charge Connector	Type 2 socket	Type 2 socket
	Enclosure	Plastic PC940	Galvanized steel
	Front Panel	Temper glass	
	LED Indicator	Green/Yellow/Red	
	LCD Display	2.7" black & white screen	
	RFID Reader	Mifare ISO/IEC 14443 A	
	Start Mode	Plug&Play/RFID card/App	
	Emergency Stop	No	
Communication	Wi-Fi	Yes	
	Ethernet	Optional	
	3G/4G	Optional	
	OCPP	OCPP 1.6 Json (OCPP 2.0 optional)	
Safety	Energy Meter	MID certified	
	RCD	30mA Type A + 6mA DC	
	Ingress Protection	IP54	
	Impact Protection	IK08	
	Electrical Protection	Over current protection, Residual current protection, Short circuit protection, Ground protection, Surge protection, Over/Under voltage protection, Over/Under frequency protection, Over/Under temperature protection	
	Certification	CE	
	Certification Standard	EN/IEC 61851-1: 2017, EN/IEC 61851-21-2: 2018	
	Warranty	2 years	
Environment	Installation	Wall-mount/Pole-mount	
	Work Temperature	-30°C~+50°C	
	Work Humidity	5%~95%	
	Work Altitude	<2000m	
Package	Product Dimension	356*221*136mm (H*W*D)	452*295*148mm (H*W*D)
	Package Dimension	490*330*210mm (L*W*H)	560*380*210mm (L*W*H)
	Net Weight	3.4kg	11kg
	Gross Weight	4.2kg	12kg
	External Package	Carton	Carton



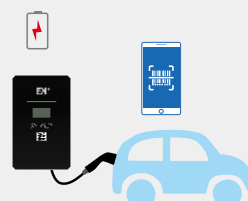
1

Download the App
and sign up an account.



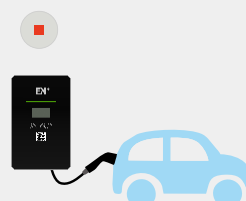
2

Plug the
charging cable into EV.



3

Scan QR code
to start the charging.



4

Stop charging in the App and
settle payment automatically.



Twin Series Pedestal

Innovativeness

- One charger with two output sockets
- Business use with intelligent App control
- Vandal resistant and anti-corrosion

Intelligent Control

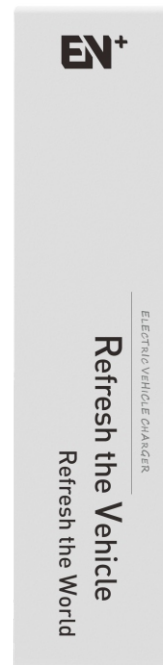
- Ethernet/4G/Wi-Fi communication all supported
- OCPP communication protocol with CMS
- Intelligent operation by App and cashless payment

Flexible Option

- App operation or RFID authentication or plug and play
- Customization with different color painting

Secure and Safe

- RCD Type A and 6mA DC residual current protection
- MID certified energy meter with accurate measurement



Front



Left



Right



Back

Twin Series Pedestal

Datasheet	Model	AC014K-BE-24	AC044K-BE-24
Input	Power Supply	1P+N+PE	3P+N+PE
	Rated Voltage	230V AC	400V AC
	Rated Current	64A	64A
	Frequency	50/60Hz	50/60Hz
Output	Output Voltage	230V AC	400V AC
	Maximum Current	2x32A	2x32A
	Rated Power	2x7kW	2x22kW
User Interface	Charge Connector	Type 2 socket	
	Enclosure	Galvanized steel	
	Left/Right Panel	Temper glass	
	LED Indicator	Green/Yellow/Red	
	LCD Display	2.7" black & white screen	
	RFID Reader	Mifare ISO/IEC 14443 A	
	Start Mode	Plug&Play/RFID card/App	
Communication	Emergency Stop	No	
	Wi-Fi	Yes	
	Ethernet	Yes	
	3G/4G	Yes	
Safety	OCPP	OCPP 1.6 Json (OCPP 2.0 optional)	
	Energy Meter	MID certified	
	RCD	30mA Type A + 6mA DC	
	Ingress Protection	IP54	
	Impact Protection	IK08	
	Electrical Protection	Over current protection, Residual current protection, Short circuit protection, Ground protection, Surge protection, Over/Under voltage protection, Over/Under frequency protection, Over/Under temperature protection	
	Certification	CE	
	Certification Standard	EN/IEC 61851-1: 2017, EN/IEC 61851-21-2: 2018	
Environment	Warranty	2 years	
	Installation	Floor-stand	
	Work Temperature	-30°C~+50°C	
	Work Humidity	5%~95%	
Package	Work Altitude	<2000m	
	Product Dimension	1200*290*230mm (H*W*D)	
	Package Dimension	1320*480*430mm (L*W*H)	
	Net Weight	25.5kg	
	Gross Weight	45kg	
	External Package	Wood case	





Polaris DC20

Cost Effective

- Compact design with one power module
- Private use with competitive price

Safe Protection

- Anti-corrosion and weather proof
- Over temperature protection
- Over current protection

Simple Operation

- Start/Stop charging by RFID card
- RFID card registration on the display panel

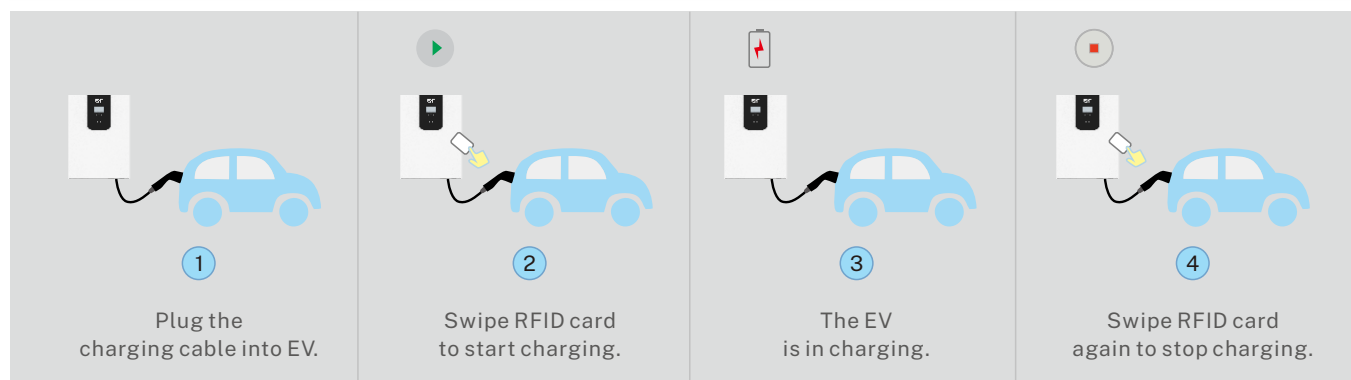
Flexible Option

- Adjustable output current up to 50A
- RFID authentication, optional with plug and play
- CCS2 charging cable, optional with CHAdeMO charging cable



Polaris DC20

Datasheet	Model	DC020K-FE-00	DC020K-FE-01
Input	Power Supply	3P+N+PE	
	Rated Voltage	400V AC	
	Rated Current	50A	
	Frequency	50/60Hz	
Output	Output Voltage	200~750V DC	150~500V DC
	Maximum Current	33A	50A
	Rated Power	20kW	20kW
User Interface	Charge Connector	CCS2 cable	
	Cable Length	7m	
	Enclosure	Galvanized steel	
	LED Indicator	Green/Red	
	LCD Display	2.7" black & white screen	
	RFID Reader	Mifare ISO/IEC 14443 A	
	Start Mode	Plug&Play/RFID card	
	Emergency Stop	Yes	
Safety	Energy Meter	No	
	RCD	No	
	Ingress Protection	IP54	
	Impact Protection	IK08	
	Electrical Protection	Over current protection, Short circuit protection, Ground protection, Surge protection, Over/Under voltage protection, Over/Under frequency protection, Over/Under temperature protection	
	Certification	CE	
	Certification Standard	EN/IEC 61851-1: 2017, EN/IEC 61851-23: 2014	
	Warranty	2 years	
Environment	Installation	Wall-mount	
	Cooling Method	Fan cooling	
	Noise	≤60dB	
	Work Temperature	-30°C~+50°C	
	Work Humidity	5%~95%	
	Work Altitude	<2000m	
Package	Product Dimension	566*426*163mm (H*W*D)	
	Package Dimension	730*500*420mm (L*W*H)	
	Net Weight	30kg	
	Gross Weight	34kg	
	External Package	Carton	





Turbo FC60

AC & DC Integration

- One charger with three outputs, simultaneously charging
- One AC connector: Type 2, with output up to 43kW
- Two DC connectors: CCS1/CCS2 and CHAdeMO, with output up to 60kW

Flexible Option

- App operation or RFID authentication or plug and play
- High protection grade as IP54, with IP65 optional
- Optional POS terminal for contactless credit card payment

Intelligent Control

- Ethernet/4G/Wi-Fi communication all supported
- OCPP communication protocol with CMS
- Intelligent operation by App and cashless payment

Secure and Safe

- Type A RCD for residual current protection
- MID certified AC meter and PTB certified DC meter
- ISO15118 prepared for advanced feature of Plug&Charge



Turbo FC60

Datasheet	Model	DC060K-E2		
Input	Power Supply	3P+N+PE		
	Rated Voltage	400V AC		
	Rated Current	250A		
	Frequency	50/60Hz		
Output	Output Voltage	200~500V DC	400V AC	200~1000V DC
	Maximum Current	125A	63A	200A
	Rated Power	60kW	43kW	60kW
User Interface	Charge Connector	CHAdemo	Type 2 cable	CCS2
	Cable Length	5m		
	Enclosure	Galvanized steel		
	LED Indicator	Green/Yellow/Red		
	LCD Display	10" color touch screen		
	RFID Reader	Mifare ISO/IEC 14443 A		
	Start Mode	Plug&Play/RFID card/App		
	Emergency Stop	Yes		
Communication	POS Terminal	Optional		
	Wi-Fi	Yes		
	Ethernet	Yes		
	3G/4G	Yes		
Electrical Parameter	OCPP	OCPP 1.6 Json (OCPP 2.0 optional)		
	Efficiency	≥95%		
	Power Factor	≥0.99 @ 50%~100% loading		
	THD	≤5% @ 50%~100% loading		
Safety	Ripple Factor	≤±0.5%		
	Energy Meter	PTB certified	MID certified	PTB certified
	RCD	Type A		
	Ingress Protection	IP54		
	Impact Protection	IK08		
	Electrical Protection	Over current protection, Residual current protection, Short circuit protection, Ground protection, Surge protection, Over/Under voltage protection, Over/Under frequency protection, Over/Under temperature protection		
	Certification	CE		
	Certification Standard	EN/IEC 61851-1: 2017, EN/IEC 61851-23: 2014		
Environment	Warranty	2 years		
	Installation	Floor-stand		
	Cooling Method	Fan cooling		
	Noise	≤60dB		
	Work Temperature	-30℃~+50℃		
	Work Humidity	5%~95%		
Package	Work Altitude	<2000m		
	Product Dimension	750*400*1830mm (W*D*H)		
	Package Dimension	1020*616*2030mm (L*W*H)		
	Net Weight	185kg		
	Gross Weight	225kg		
	External Package	Wood case		



Rocket FC120

High Efficiency

- One charger with two outputs, simultaneously charging
- Two CCS2 DC connectors, with output up to 120kW
- Constant power from 300~1000V voltage, less heat with smaller current

Intelligent Control

- Ethernet/4G/Wi-Fi communication all supported
- OCPP communication protocol with CMS
- Intelligent operation by App and cashless payment

Flexible Option

- App operation or RFID authentication or plug and play
- High protection grade as IP54, with IP65 optional
- Optional POS terminal for contactless credit card payment

Secure and Safe

- Type A RCD for residual current protection
- PTB certified energy meter with accurate measurement
- ISO15118 prepared for advanced feature of Plug&Charge



Rocket FC120

Datasheet	Model	DC120K-E2
Input	Power Supply	3P+N+PE
	Rated Voltage	400V AC
	Rated Current	300A
	Frequency	50/60Hz
Output	Output Voltage	200~1000V DC
	Maximum Current	200A
	Rated Power	120kW
User Interface	Charge Connector	CCS2
	Cable Length	5m
	Enclosure	Galvanized steel
	LED Indicator	Green/Yellow/Red
	LCD Display	10" color touch screen
	RFID Reader	Mifare ISO/IEC 14443 A
	Start Mode	Plug&Play/RFID card/App
	Emergency Stop	Yes
Communication	POS Terminal	Optional
	Wi-Fi	Yes
	Ethernet	Yes
	3G/4G	Yes
Electrical Parameter	OCPP	OCPP 1.6 Json (OCPP 2.0 optional)
	Efficiency	≥95%
	Power Factor	≥0.99 @ 50%~100% loading
	THD	≤5% @ 50%~100% loading
Safety	Ripple Factor	≤±0.5%
	Energy Meter	PTB certified
	RCD	Type A
	Ingress Protection	IP54
	Impact Protection	IK08
	Electrical Protection	Over current protection, Residual current protection, Short circuit protection, Ground protection, Surge protection, Over/Under voltage protection, Over/Under frequency protection, Over/Under temperature protection
	Certification	CE
	Certification Standard	EN/IEC 61851-1: 2017, EN/IEC 61851-23: 2014
Environment	Warranty	2 years
	Installation	Floor-stand
	Cooling Method	Fan cooling
	Noise	≤60dB
	Work Temperature	-30℃~+50℃
	Work Humidity	5%~95%
Package	Work Altitude	<2000m
	Product Dimension	750*525*1830mm (W*D*H)
	Package Dimension	1020*745*2030mm (L*W*H)
	Net Weight	240kg
	Gross Weight	280kg
	External Package	Wood case



Power Module

Multiple Options

- Different power options 20kW/30kW
- Multiple output voltages 500V/750V/1000V

Low Energy Consumption

- Unique sleep mode, less than 2W power
- High conversion efficiency up to 96%
- Intelligent parallel mode, working with the best efficiency



20kW Power Module

Size: 395mm(D)*225mm(W)*87mm(H)

High Reliability

- Overall temperature monitoring
- Defenses of moisture, salt spray and fungus
- MTBF > 100,000 hours



30kW Power Module

Size: 455mm(D)*300mm(W)*94mm(H)

Super Adaptability

- Wide input voltage range 260~470V AC
- Wide working temperature range -30°C~+50°C

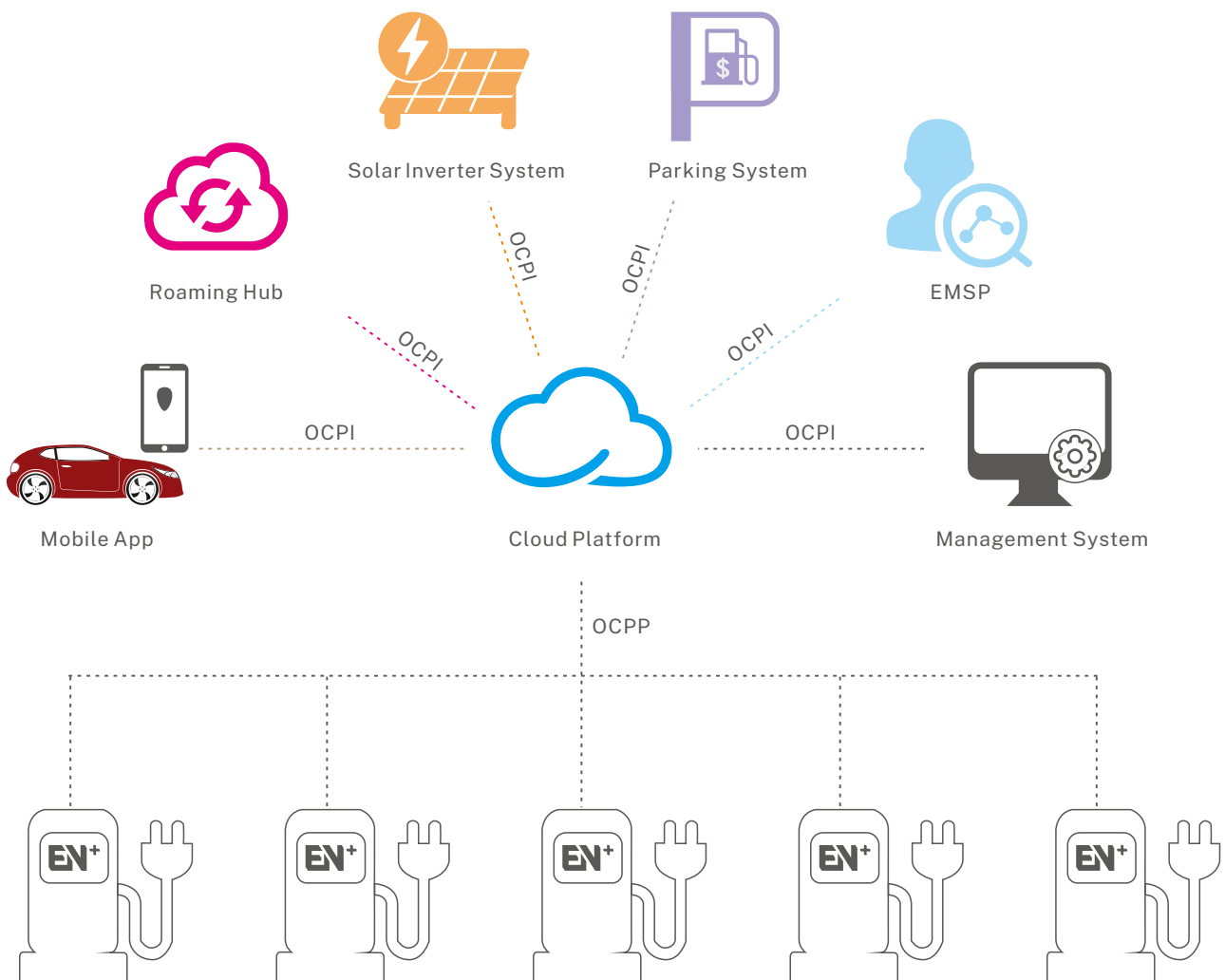
Power Module

Datasheet	Model	DCM50050	DCM75034	DCM1000100
Input	Power Supply	3P+PE		
	Input Voltage	260~470V AC		
	Max. Input Current	40A	40A	60A
	Startup Impulse Current	≤44A	≤44A	≤66A
	Input Frequency	50/60Hz		
	Standby Power	<8W		
Output	Output Voltage	150~500V DC	200~750V DC	150~1000V DC
	Maximum Current	50A	33A	100A
	Rated Power	20kW	20kW	30kW
	Constant Power	No	No	Yes @ 300~1000V DC
Electrical Parameter	Power Factor	≥0.99 @ 50%~100% loading		
	THD	≤3% @ 100% loading		
	Efficiency	≥96%		
	Steady Voltage Accuracy	±0.5%		
	Steady Current Accuracy	±1%		
	Voltage Deviation	±0.5%		
	Current Deviation	±0.1A @ load current<10A, ±1% @ load current<10A		
	Ripple Factor	Peak factor<1%, RMS factor<0.5%		
	Current Imbalance	≤5% @ 50%~100% loading		
	Soft Start Time	≤6S		
	Power Overshoot	No		
	Sleep Function	Yes		
User Interface	Enclosure	Aluminized Zinc plate (SGLCC)		
	LED Indicator	Green/Yellow/Red		
Communication	Configuration	Manual/Auto		
	Protocol	CAN		
Safety	Ingress Protection	IP20		
	Electrical Protection	Over current protection, Short circuit protection, Ground protection, Surge protection, Over/Under voltage protection, Over/Under frequency protection, Over/Under temperature protection		
	Certification	CE		
	Certification Standard	EN/IEC 61851-1: 2017, EN/IEC 61851-23: 2014		
	Warranty	2 years		
Environment	Installation	Slots		
	Cooling Method	Fan cooling		
	Noise	≤65dB @ 100% loading		
	Work Temperature	-30°C~+50°C		
	Work Humidity	5%~95%		
	Work Altitude	<2000m		
Package	Product Dimension	395*225*87mm (D*W*H)		455*300*94mm (D*W*H)
	Package Dimension	490*305*167mm (L*W*H)		564*380*172mm (L*W*H)
	Net Weight	10kg		17kg
	Gross Weight	12kg		18kg
	External Package	Carton		Carton

Cloud Platform

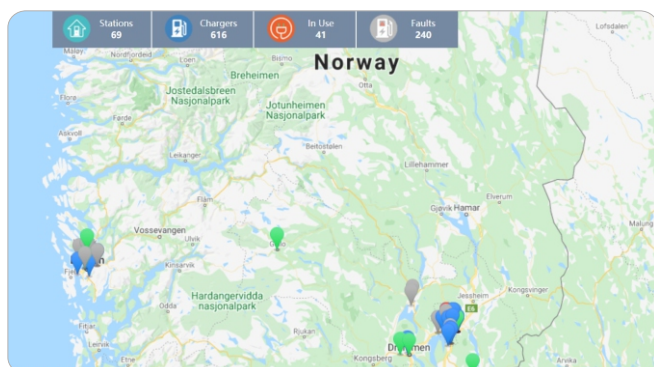
Dedicated to enable the future of e-Mobility by providing the most open, secure and robust charging network everywhere, a charging platform based on the cloud server makes it simple and convenient to meet the diverse demands of charger operators, charging users and e-Mobility service providers. We provide everything you need to offer a complete EV charging solution.

- **Management System:** A central system for charger operators to manage charge points and monitor charging service. Status monitor, charge record, prices management, firmware upgrade, remote diagnose, and load balance are offered in one capable system.
- **Mobile App:** A charging App for EV drivers who needs charging service. Prices, locations, availability, start/stop charging, and auto billing are available in an easy way.
- **Interoperability:** Connections with e-Mobility Service Providers who have EV drivers as customers are viable through the open charge point interface protocol (OCPI).



Management System

The management system is designed for operators to manage the charge points and the charging service to all users. The future of charging is smart, and our management system is equipped with future-proof features. The system works on the cloud, which enables us to update new features rapidly.



Smart Charge

The load balance feature enables you to limit the maximum charging power of chargers remotely, or set a maximum charging load for a group of chargers. It eliminates the risks of overloading and EVs can charge with possible maximum power.

Remote Management

At the management system, you can monitor your chargers, set prices, limit usage, and manage your stations remotely, for example remote upgrade and remote diagnose. Manage your charging stations with ease.

Online Status	Charger SN	Charger Type	EN-GATE SN	Address	Phase	Action
●	SN1000518A120008	AC	SN02405185280003	16 - D.Johansen	Three-Phase	● ● ● ● ●
●	SN1000518B160004	AC	SN02405185280003	19 - S. Haane	Three-Phase	● ● ● ● ●
●	SN1000518B160003	AC	SN02405185280003	34 - L. Pham	Three-Phase	● ● ● ● ●
●	SN1000518B160002	AC	SN02405185280002	111 - L. Rasmussen	Three-Phase	● ● ● ● ●
●	SN1000518B160001	AC	SN02405185280002	100 - K. Brekke	Three-Phase	● ● ● ● ●
●	SN1000518B290003	AC	SN02405185280001	44 - Rasmussen	Three-Phase	● ● ● ● ●
●	SN1000518B290002	AC	SN02405185280002	108 - S. Gerhardsen	Three-Phase	● ● ● ● ●
●	SN1000518B290012	AC	SN02405185280003	32 - L. Hagenius	Three-Phase	● ● ● ● ●
●	SN1000518B280011	AC	SN02405185280003	7 - P. Sæviig	Three-Phase	● ● ● ● ●
●	SN1000518B280010	AC	SN02405185280002	145 - J. Ødegård	Three-Phase	● ● ● ● ●
●	SN1000518B280009	AC	SN02405185280001	50 - T. Holm	Three-Phase	● ● ● ● ●
●	SN1000518B280008	AC	SN02405185280003	26 - K. Fossum	Three-Phase	● ● ● ● ●
●	SN1000518B280007	AC	SN02405185280002	148 - D. Sæviig	Three-Phase	● ● ● ● ●
●	SN1000518B280006	AC	SN02405185280003	13 - L. Hattenstad	Three-Phase	● ● ● ● ●
●	SN1000518B280005	AC	SN02405185280002	104 - D. Pattersen	Three-Phase	● ● ● ● ●

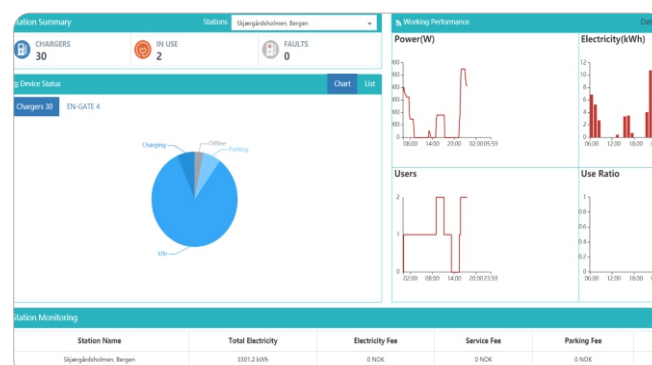
Payment & Billing

You can set the prices for charging in the management system, based either on the amount of electricity charged, the duration of charging events or both. The revenue from charging events is transferred to your bank account automatically.



Statistics & Administration

Statistics on used kWh, duration of charging event, amount of payment etc. can all be viewed in the management system. If an issue can't be resolved, you can report it and allow our professionals to take care of it for you.



Mobile App

The charging App connects EV drivers with charging stations, so that they can easily find a charger and enjoy the charging service. It enables users to do location search, charging monitor and payment settlement. All is done in a mobile phone.



Account Signup

Easy signup with a mobile phone number



Location Search

Quick search for available charging facilities



Charging Operation

Friendly interface and convenient operation



Real Time Monitor

Real time presentation of charging consumption



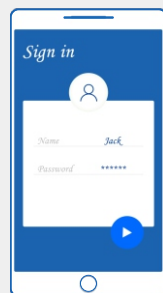
Cashless Payment

Mobile payment from credit card, like Nets, PayWay



Auto Billing

Secure billing through registered account



1

Download the App and sign up an account.



2

Plug the charging cable into EV.



3

Scan QR code to start charging.



4

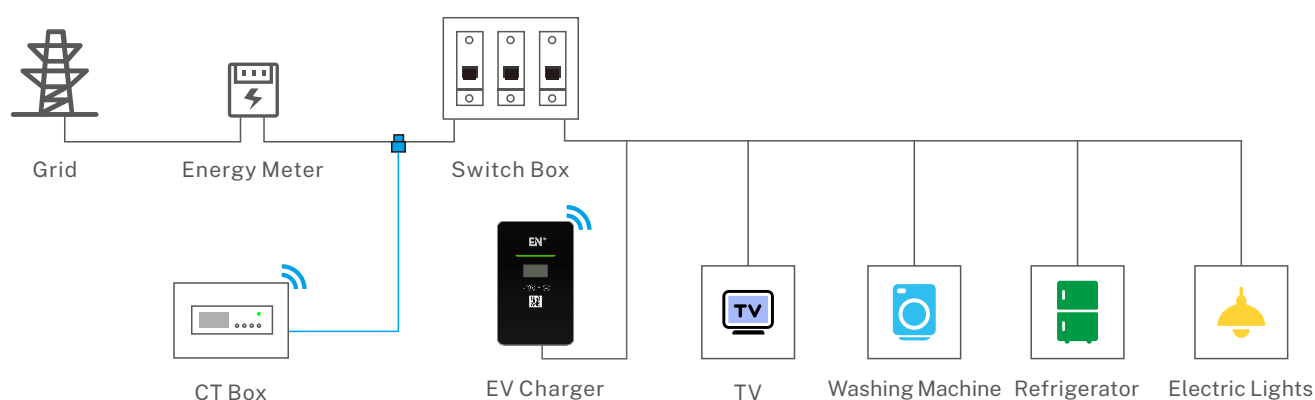
Stop charging in the App and settle payment automatically.

Load Balance Solution

Dynamic Load Balance

Dynamic Load Balance is a smart charging feature which balances the distribution of the total available power between chargers and other loads within the building in real time. It not only protects appliances, but also ensures EVs are fully charged at the lowest cost.

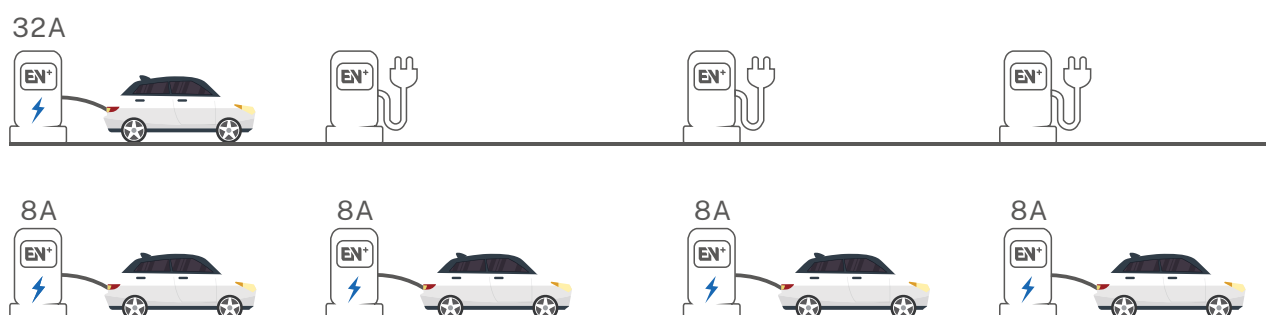
CT box monitors the total energy consumption and reports to the management system. The system controls the charging power of each individual charger automatically to avoid overloading when chargers and other loads are being used simultaneously.



Static Load Balance

Static Load Balance is a smart charging feature which balances the distribution of the total available power for multiple chargers at a specific location. It enables you to set a maximum power for multiple chargers in the management system and distribute the charging power evenly between the individual active chargers.

Load balance helps you to protect the local grid within the capacity limit in peak hours of electricity consumption. EVs can charge with maximum power when possible, but the charging power will drop as more EVs begin to be charged simultaneously. For example, the parking lot has a maximum of 32A available. When the first EV charges, it charges at 32A – the maximum capacity. When more EVs start charging, the charging capacity will be distributed evenly over the EVs.

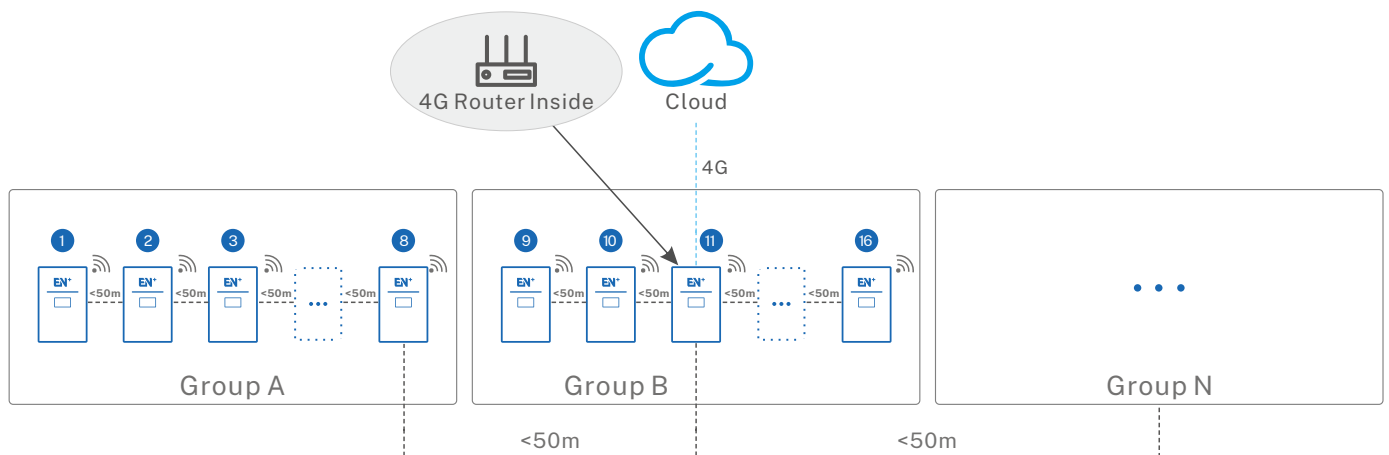


Wi-Fi Mesh Solution

Each charger has a built-in Wi-Fi module which is compliant with OCPP communication protocol.

Wi-Fi Mesh technique is applied to chargers by making use of the wireless communication, which greatly saves the installation cost by removing communication wires between chargers.

To establish a Wi-Fi Mesh network, you can setup maximum 8 chargers as a group. If there are more than 8 chargers, more groups need to be setup. There is no limit to the charger quantity in total.



A 4G router is recommended to be installed at the center of all chargers or at a position with the best 4G signal coverage. The 4G router could be supplied by EN+ and it can be installed inside the charger. To keep a stable Wi-Fi connection, the distance between 4G router and the nearest charger should be less than 50 meter. If there are walls or obstacles in between, the distance should be kept less than 20 meter. Same requirement for the distance between two nearby chargers.

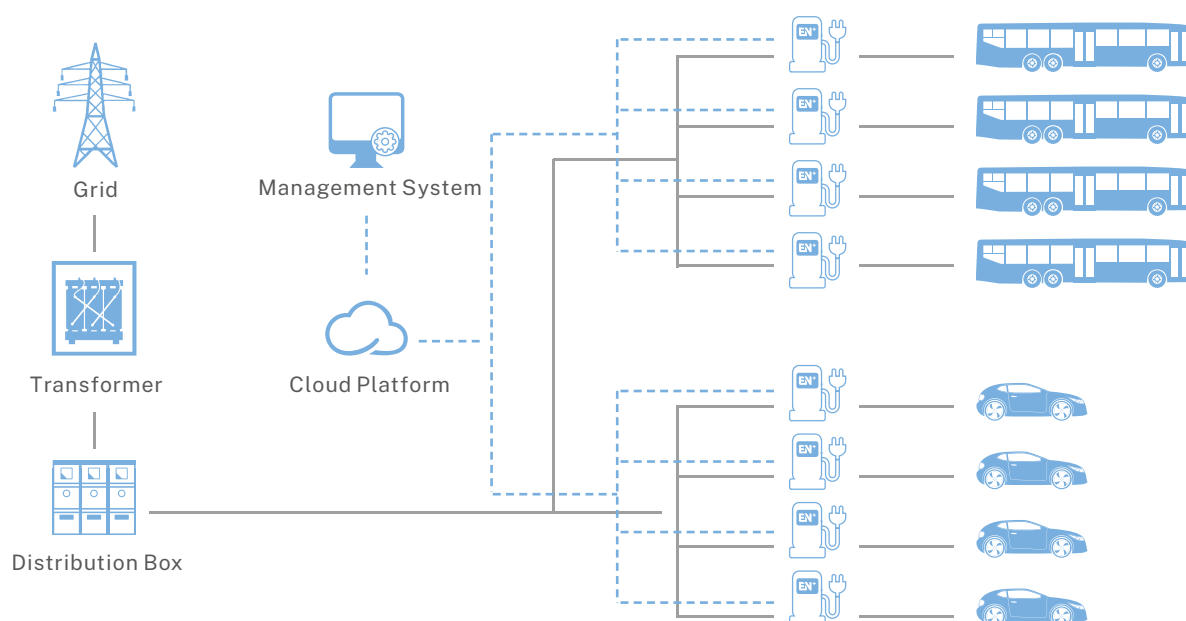
In each group, one charger with the best connection to 4G router is selected as Root, and the other chargers act as Node. All chargers communicate with each other by means of Wi-Fi and access to the 4G router through the Root. The Root also communicates with the 4G Router by means of Wi-Fi. The Router communicates with the Cloud by means of Ethernet or 4G, which is up to your decision according to the installation environment.

Advantages

- Less installation cost. No need to layout or connect wires between chargers and save labor cost.
- More reliable network. If one charger breaks, nearby chargers will automatically recover connection with another charger within 50 meter distance and keep functioning.
- Extendable quantity. More charger groups can be added in, as long as the root charger in each group is within 50 meter distance from the 4G router.
- Faster network access. All chargers are programmed to find the most efficient path to transmit the data to the Cloud.

Charging Solution

We provide everything that's needed to build a charging business, from charging facilities to customer services and smart energy management solutions. You can either manage your own network of charging stations or provide the service for other charger operators. All solutions are white-labelled and can be customized to meet your customers' needs.



At home, at work, or on the go, we have the electric vehicle charging solution for you. Our solution is suitable for multiple scenarios. We help you to connect with your customers. EN+ offers all you need for running a robust charging business.



Residential Parking Lot



Commercial Parking Lot



Private Home Garage



Hotel/Hospital/School



Petrol Station



Bus Charging Station



Automobile Service Shop



Taxi Charging Station



Energy Utilities/Storage



EV Fleet

Real Estate Developer

Shopping Center
Public ChargingPrivate Charger
Share-ChargingSemi-Public
ChargingHighway
Service ChargingPublic
TransportationEV Maker/
EV DealerCharging Station
OperatorBattery Swap/
Solar EnergyWorkplace/
Office Building

Project Cases







Refresh the vehicle, refresh the world.



Address: Floor 2, Building 6, No. 1026 Songbai Road, Nanshan District, Shenzhen, China.

Postal Code: 518055

Website: www.en-plustech.com

Contact: susan.zeng@en-plus.com.cn

Phone: +86-13392169817

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