ELECTRIC VEHICLE
SUPPLY EQUIPMENT

PRODUCT CATALOG

We provide EVSE solutions to customers all over the world,
OEM & ODM available

Nexus US Series

PRODUCT INTRODUCTION

Compact and sturdy, specially designed for indoor and outdoor installation.
With attractive ergonomic enclosure and user-friendly body design, the classical Nexus wallbox charger is an intelligent, affordable and scalable charging solution.

Wi-Fi & 4G & LAN.
The various communication modules are convenient for different users to flexibly choose, tailored to the specific needs of the market segments.

UL Listed.
Produced in strict accordance with UL regulations, each component performs excellent. Multiple listing negotiable.

RS-485 interface available.
The charger is available for interact with Home Energy Management Systems via RS-485 interface.

Wall mounting

Floor mounting with post

E517810

FCC ID: 2AZGWM3P-2104

No.2404721

PRODUCT HIGHLIGHTS

POWERFUL CHARGING
- 32A & 40A adjustable, enable high-speed home charging.

SIMPLY CHARGING
- RFID cards & APP & Plug and play charging control, just choose what you like.

EASILY INSTALLATION
- NEMA 14-50P input plug.
- Full set of installation accessories.

100% COMPATIBLE
- Fit for all EVs comply with SAE J1772 Type 1 standard.

SAFE AND RELIABLE
- TYPE 4 electrical enclosure, works under all conditions.
- CCID 20.

Specification of Nexus US Series

Item		Nexus 7KW	Nexus 10KW
Model NO.		M3P132U	M3P140U
Maximum Power		7kW/32A @Level 2 240VAC	10kW/40A @Level 2 240VAC
Basic info	Connector	Input plug: NEMA 14-50P; Output plug: Type 1/SAE J1772	
	Dimension(H×W×D)mm	310 × 220 × 95	
	Material	PC	
	Colour	White front + grey back or OEM Color	
	Indicator	4 LED lights, indicate 4 statuses include power, charging, fault and network	
Features	Ethernet(RJ45)	Yes	
	RFID	Yes	
	WIFI	2.4GHz	
	4G	Optional	
	RS-485	Optional	
	OCPP1.6J	Optional	
	APP	Optional	
Safety	Ingress Protection	Type 4	
	Residual current protection	CCID 20	
	Over load protection	Yes	
	Over/Under voltage protection	Yes	
	Short circuit protection	Yes	
	Earth Leakage Protection	Yes	
	Ground Protection	Yes	
	Surge protection	Yes	
	Over temperature	Yes	
	Certification	UL(for US and Canada), FCC, Energy Star	
	Certification Standard	UL 2594, CSA C22.2	
Environment	Installation	Wall/Pole mounted	
	Storage Temperature	-40~75℃	
	Operation Temperature	-30~55℃	
	Operation Humidity	≤ 95%RH, No water droplet condensation	
	Operation Altitude	< 2000m	

Blazer US Series

PRODUCT INTRODUCTION

Compact and sturdy, specially designed for indoor and outdoor installation.
With attractive ergonomic enclosure and user-friendly body design, the classical Blazer wallbox charger is an intelligent, affordable and scalable charging solution.

Wi-Fi & 4G & LAN.
The various communication modules are convenient for different users to flexibly choose, tailored to the specific needs of the market segments.

UL Listed.
Produced in strict accordance with UL regulations, each component performs excellent. Multiple listing negotiable.

RS-485 interface available.
The charger is available for interact with Home Energy Management Systems via RS-485 interface.

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FCC ID:
2AZGWM3P-2104

ENERGY STAR
No.2404721

PRODUCT HIGHLIGHTS

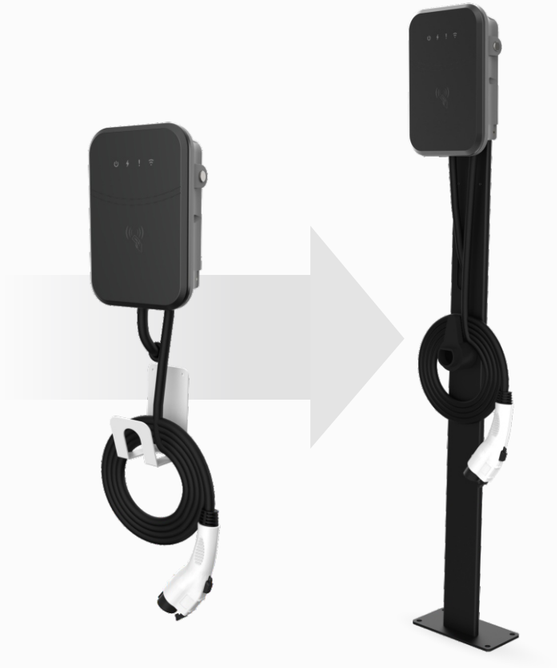
POWERFUL CHARGING
- 32A & 40A adjustable, enable high-speed home charging.

SIMPLY CHARGING
- RFID cards & APP & Plug and play charging control, just choose what you like.

EASILY INSTALLATION
- NEMA 14-50P input plug.
- Full set of installation accessories.

100% COMPATIBLE
- Fit for all EVs comply with SAE J1772 Type 1 standard.

SAFE AND RELIABLE
- TYPE 4 electrical enclosure, works under all conditions.
- CCID 20.



Wall mounting
with cable management

Floor mounting
with post

Specification of Blazer US Series

Item		Blazer 7KW	Blazer 10KW
Model NO.		M3P132U	M3P140U
Maximum Power		7kW/32A @Level 2 240VAC	10kW/40A @Level 2 240VAC
Basic info	Connector	Input plug: NEMA 14-50P; Output plug: Type 1/SAE J1772	
	Dimension(H×W×D)mm	310 × 220 × 95	
	Material	PC	
	Colour	Black front + grey back or OEM Color	
	Indicator	4 LED lights, indicate 4 statuses include power, charging, fault and network	
Features	Ethernet(RJ45)	Yes	
	RFID	Yes	
	WIFI	2.4GHz	
	4G	Optional	
	RS-485	Optional	
	OCPP1.6J	Optional	
	APP	Optional	
Safety	Ingress Protection	Type 4	
	Residual current protection	CCID 20	
	Over load protection	Yes	
	Over/Under voltage protection	Yes	
	Short circuit protection	Yes	
	Earth Leakage Protection	Yes	
	Ground Protection	Yes	
	Surge protection	Yes	
	Over temperature	Yes	
	Certification	UL(for US and Canada), FCC, Energy Star	
	Certification Standard	UL 2594, CSA C22.2	
Environment	Installation	Wall/Pole mounted	
	Storage Temperature	-40~75℃	
	Operation Temperature	-30~55℃	
	Operation Humidity	≤ 95%RH, No water droplet condensation	
	Operation Altitude	< 2000m	

Vision Series

SAE J1772 standard approved

PRODUCT INTRODUCTION

- We are proud to introduce our fully upgraded Vision series for personal use and commercial operation of EV charging stations.
- Multiple charging management through Bluetooth/Wi-Fi/App.
- With type 1 plug, 18ft cable and cable management, Vision series can be installed by wall-mounting and floor-mounting with charging post.

Intertek

PRODUCT HIGHLIGHTS

POWERFUL CHARGING
Up to 80A/19.2kW of charging capacity

SIMPLE CHARGING
RFID cards & APP, adjustable from 6A to rated current

CONNECTIVITY
LAN / WIFI or 4G optional

DURABILITY
Type 4 for all condition operation

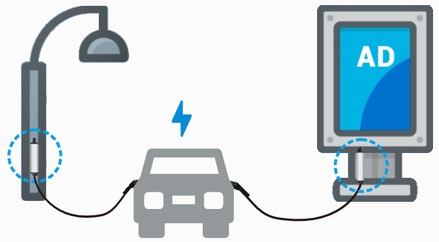
Specification of Vision Series

Item		Vision Series			
Maximum Power （@Level 2 240VAC）		10kW/40A	11.5kW/48A	15.6kW/65A	19.2kW/80A
Basic info	Charging Connector	SAE J1772 (Type 1)			
	Indicator	Multi-color LED indicate light			
	Display	4.3-inch LCD touch screen			
	Dimension(H×W×D)mm	404 × 284 × 146			
	Charging control	Remote: “APP-controlled”; Local: “Card-controlled”			
Features	Remote communication interface 1#	WiFi (2.4GHz)			
	Remote communication interface 2#	Ethernet (via RJ-45)			
	Remote communication interface 3# (Optional)	4G			
	OCPP	OCPP 1.6J(Upgradable to OCPP2.0.1 in 2024)			
	APP	Yes			
	Local communication interface 1#	Bluetooth			
	Local communication interface 2#	RS-485			
	Power Sharing	Yes			
Safety	Enclosure rated	Type 4/IP65			
	Earth Leakage Protection	Yes,CCID 20			
	Over load protection	Yes			
	Over/Under voltage protection	Yes			
	Short circuit protection	Yes			
	Ground Protection	Yes			
	Surge protection	Yes			
	Over temperature	Yes			
	Certification	ETL (for US and Canada), FCC, Energy Star			
	Certification Standard	UL 2594, NEC 625			
Environment	Installation	Wall/Pole mounted			
	Storage Temperature	-40~75℃			
	Operation Temperature	-30~55℃			
	Operation Humidity	≤ 95%RH, No water droplet condensation			
	Operation Altitude	≤ 2000m			

Charger Box

Modular design for appearance customization

- The Charger Box is designed according to UL standards and ETL certified.
- Safe and reliable, with multiple fault protection, suitable for all commercial locations, such as street lights, vending machines, and billboards.
- OCPP1.6J Communication protocol available.



LET THE BILLBOARD ALSO CHARGING

Monetize from your EV charging network by simply using our Charger Box with customizable case with screen to combine advertising earning into your pocket.

Specification of Charger Box (model: MB11K 240V)

Item	MB11K 240V	
Electrical parameters	Input Voltage	Level 2, 240VAC (204-264VAC)
	Rated current	48A
	Branch breaker	It is recommended that a charger should be equipped with dedicated MCB circuit for power supply
	Input circuit terminal	L1 / L2 / GND
Functional description	Charging control	Local: “Plug-and-charge” or “USB DEBUG - controlled”; Remote: OCPP server control.
	Communication interface	Ethernet (RJ-45 interface), USB (type A)
	Communication protocol	OCPP 1.6J
	Safety protection	Surge protection, over temperature, over/under voltage, over current, ground protection, Leakage protection, Relay stacking protection
Mechanical parameters	Mounting	Mounted inside the customized cabinet
	Charging connector	SAE J1772 (Type 1)
	Dimension(H×W×D)mm	stock size: 450.5 × 189 × 90
	Input cable	1000mm cable, with terminal blocks
	Output interface	600mm cable, with terminal blocks
	Weight	≤ 5kg
	Color	Silvery and Black
	Material	Aluminum alloy
	NEMA rating	Type 3S

Ampax Series

Commercial DC Fast Charging Station

- Self-developed control module
- Expandable design of split cabinet
- Diversified scenario operation
- Perfect choice for commercial use

PRODUCT INTRODUCTION

- Ampax series can be equipped with 1 or 2 charging guns, with an output power from 60kW to 240kW, Upgradable 320KW, which can charge most EVs with 80% of the mileage within 30 minutes.
- Ampax series is compatible with all types of Electric Vehicles currently on the market and complies with SAE J1772/CCS Type 1 or CCS Type 2 charging plug.

Intertek No.5027451

FCC ID: 2AZGWIHUB-2309

No.2684019

PRODUCT HIGHLIGHTS

- Integrated Smart HMI: 10-inch high-contrast LCD touchscreen
- Safe and reliable, with multiple fault protection
- Ethernet RJ-45 interface networking is adopted, and 4G module is optional, compliant with the OCPP 1.6J protocol. Upgraded and adaptable to OCPP 2.0.1 protocol in 2024
- APP, RFID charging control approval, with emergency stop function
- Type 3R/IP54, dustproof, waterproof and anti-corrosion
- Charging module separated from control system, stable and safe performance
- Multiple module output in parallel, flexible configuration and easy maintenance
- Constant power module and smart power allocation, high charging efficiency
- All the control system can be remotely or locally upgraded

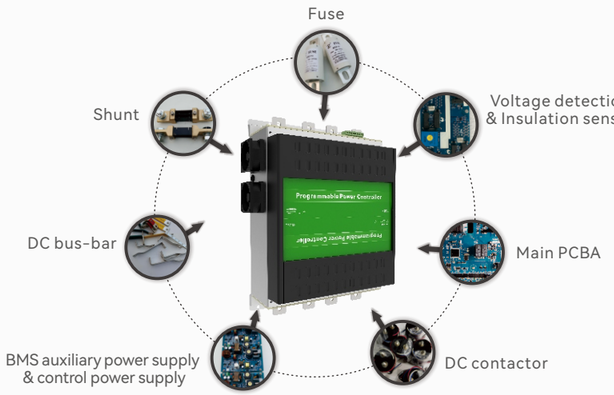
Specification of Ampax Series

Power Specification	
Input voltage rating	480 VAC ±10%, 50/60 Hz
Power wiring	3P+N+PE
Dc voltage output	150 ~ 1000VDC
Charging connector	CCS1+CCS1, CCS1+NACS (Coming soon)
Charging cable length	5 meters/ 7.5 meters optional
DC power output rating	60kW/ 120kW/ 150kW/ 180kW/ 240kW
Constant power range	300 ~ 1000V DC
The maximum output current	250A, Max @300A
PF(Power Factor)	> 0.98(Load ≥ 50%)
THD-I	≤ 5%(Rating voltage input,Load≥50%)
Peak efficiency	≥ 96%
Voltage stabilized accuracy	≤ ±0.5%
Current stabilized accuracy	≤ ±1%
Output voltage error	± 0.5%
Output current error	≤ ±1%(when output current ≥ 30A); ≤ ±0.3A(when output current 30A)
Ripple factor	≤ ±0.5%(RMS)
Electric energy measurement method	Measuring DC output electric energy
Connector mechanical operating life	≤ 10000 times, without load
User Interface & Control	
Charging control	RFID;
Human-machine interface	10-inch high-contrast touch screen
Indicators	High brightness multi-color LED lights
Network interface	Ethernet (RJ-45) / 4G (Optional)
Protocol(EVSE&Backend)	OCPP 1.6J; Security Level 3; upgradable to OCPP 2.0.1 in 2024
Protocol(EVSE&EV)	DIN70121, ISO15118
Environmental	
Storage temperature	-40℃ to 75℃
Work temperature	-30℃ to 50℃, derating output in 55℃
Work humidity	Up to 95% non-condensing
Work altitude	≤ 2000m
Cooling method	Forced air cooling
Protection	
Protection	Over Voltage Protection; Under Voltage Protection； Over Current Protection； Over Power Protection； Over Temperature Protection； Surge Protection Device； Short Circuit Protection； Inter modulation Distortion； Over Current Protection； Over Voltage Protection； Over Temperature Protection
Mechanical	
Protection ratings	Type 3R
Dimension (W×D×H)	1040mm × 580mm × 2200mm
Net weight	384kg(60kW) 416kg(120kW) 432kg(150kW) 448kg(180kW) 480kg(240kW)
Enclosure material	Metal
Color	RAL 7032 (Grey)

Components of DC Charging Station with & without Power Controller:

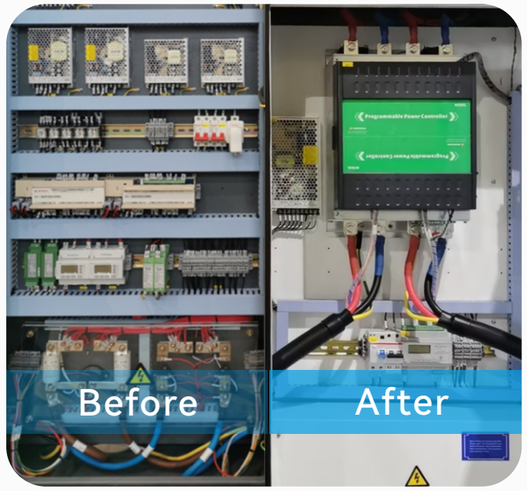
INTEGRATED DC CHARGING STATION

- Programmable Power Controller
- Integrated Smart HMI
- Charging module
- Cabinet
- Cable & plug



TRADITIONAL DC CHARGING STATION

- DC watt-hour meter
- Voltage detection transmitter
- Insulation detector
- Charging pile controller
- 24V/12V AC/DC switching power supply(only for Chinese GB/T standard)
- AC/DC power supply module
- MCB, Relay, SPD
- MCCB, AC Contactor
- DC vacuum contactor
- 600 pcs of terminal blocks+ 300 pcs wires



Maintenance of DC Charging Station with & without Power Controller:

1. Integrated controller maintenance less than 8 hours

- Failure occurs: The background directly judges the fault----2~4 hours
- Equipment needs to be replaced: Direct replacement of power controller----2~4 hours
- Device back up and running

2. Traditional breakdown repair 2-10 days in total

- Failure occurs: Maintenance personnel to the scene----1~2 days;
  Determine the fault point----- 1~2 days
- Need accessories: Spare parts delivery---- 2~6 days; Repair and recovery ----1~2 days
- Device back up and running

Programmable Power Controller(PPC)

Our Programmable Power Controller(PPC) is a highly integrated power module that contains multiple functional components. You can quickly build a DC charging station by assembling "Case+Charging Module+PPC+Connector". This technology revolutionized the way of manufacturing charging stations, and it significantly simplifies the assembly of charging station. By choosing our PPC, production efficiency is not the only thing you are improving.

Voltage detection & Insulation sensor

Fuse

BMS auxiliary power supply & control power supply

Main PCBA

DC contactor

DC bus-bar

Shunt

FEATURES

- Charging System: IEC 61851-1 ed 3, IEC 61851-21-2 ed 1, IEC 61851-23 ed 1, IEC 61851-24 ed 1, IEC 62196-2,IEC 62196-3, IEC 6100
- Communication Standard: ISO 15118, DIN 70121
- Applicable power range: 60~200kW
- Input work voltage range: 230 VAC +/- 10% (50 Hz or 60 Hz)
- DC intput voltage range: 12 ~ 1000V
- DC output voltage range: 12 ~ 1000V
- DC intput maximum current: 250A
- DC output maximum current: 250A
- Number of outlet: 2
- Communication to the backend: OCPP 1.6 JSON
- Overvoltage category: Type II
- Standby power: 5W
- Energy metering: Optional, MID metering for DC outlets
- Communication Protocol: OCPP 1.6J
- Storage Temperature: -40℃ to 75℃
- Operating Temperature: -20℃ to 55℃, derating output in 55℃
- Operating Humidity: Up to 95% non-condensing
- Altitude: ≤2000m
- Cooling Method: Natural cooling
- Protection Ratings: IP00
- Equipment Dimension(W×D×H): 300mm×170mm×430mm
- Equipment Weight: ≤ 12kg

Protection			
Over Voltage Protection	Yes	Short Circuit Protection	Yes
Over Load Protection	Yes	Ground Protection	Yes
Over-Temp Protection	Yes	Surge Protection	Yes
Under Voltage Protection	Yes		

Smart HMI

With our proud patents, various functional components are highly integrated to achieve I/O interaction and communication between the Programmable Power Controller(PPC) and the charging station. When building your charging stations, The only thing you need to do is to embed the smart HMI on the front or side facade of the station, then connect with the Programmable Power Controller(PPC). Technicians can easily control, program and operate the charging station when reducing cost of labor and time consumption.

FEATURES

- Control power supply: 24VDC
- SIM card type: NANO-SIM
- Charging Control: App, RFID
- Human-Machine Interface: 7" high-contrast touchscreen
- Indicators: 4 LED indicators - Power / Fault / Charging A / Charging B
- Network Interface: 3G / 4G / Ethernet (Rj45)
- Communication Protocol: OCPP 1.6J
- Storage Temperature: -40℃ to 75℃
- Operating Temperature: -20℃ to 55℃, derating output in 55℃
- Operating Humidity: Up to 95% non-condensing
- Altitude: ≤ 2000m
- Cooling Method: Natural cooling
- Protection Ratings: IP65
- Equipment Dimension(W×D×H): 300mm×250mm×60mm
- Equipment Weight: ≤ 2kg

Traditional practice

Patent technology

SMART HOME CHARGING SOLUTION

Scan the QR code to download our WE E-charge APP. Our APP is available both in IOS APP Store and Google Play.

GET IT ON Google Play

Download on the App Store

EXPLORE IT ON AppGallery

Remote Control

Start/Stop the EV Charging

Current Limit

Change the charging current and power freely

Easy Setting

Video and user manual guidance, show you all the sitting process step by step

Select charger — Manage all your chargers

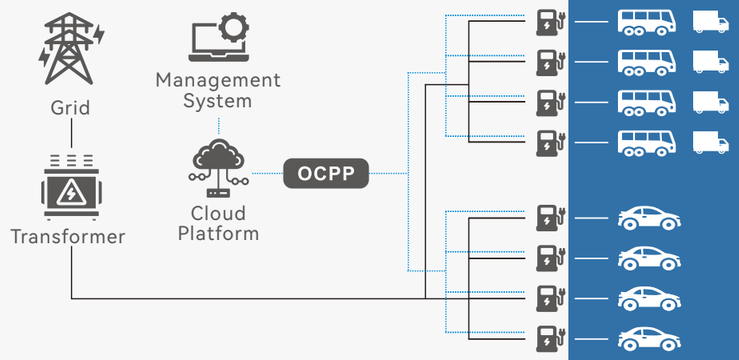
Menu — Schedule / Share / History / Users / Settings / Remove charger

Charging button — Tap to start or stop charging

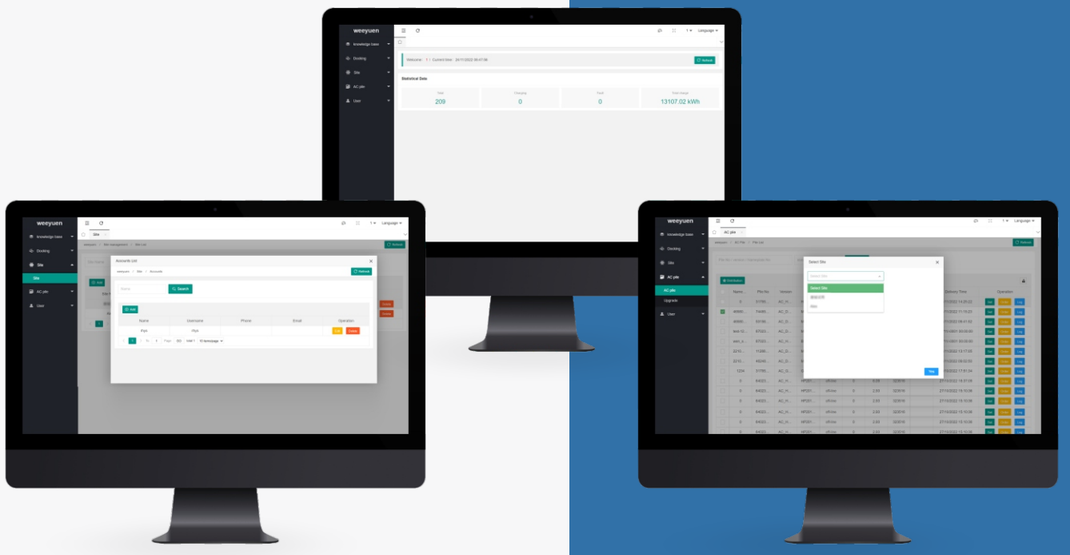
Charging current — Real time charging statistics

Set current — Freely set to make the charging speed slow or fast.

COMMERCIAL AND FLEET CHARGING SOLUTION



We provide fleet management system to fully support your business.



▲ Site

Where you can manage your distributions

▲ AC Charger

Check all the chargers under your management, and set charging current, Protocol Version, OCPP Server URL, Charging Mode, WIFI for every chargers.

Thanks to your support,
we are now all over the world.