

PACIFIC BLUE CHARGING SOLUTION

SMARTER CHARGING FOR BETTER LIFE



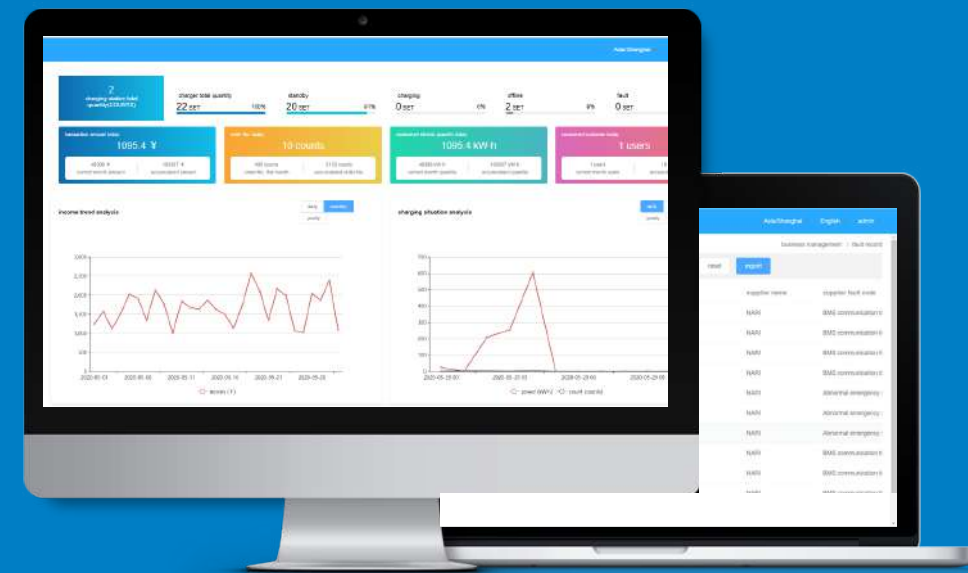


■ Back Office Platform Management

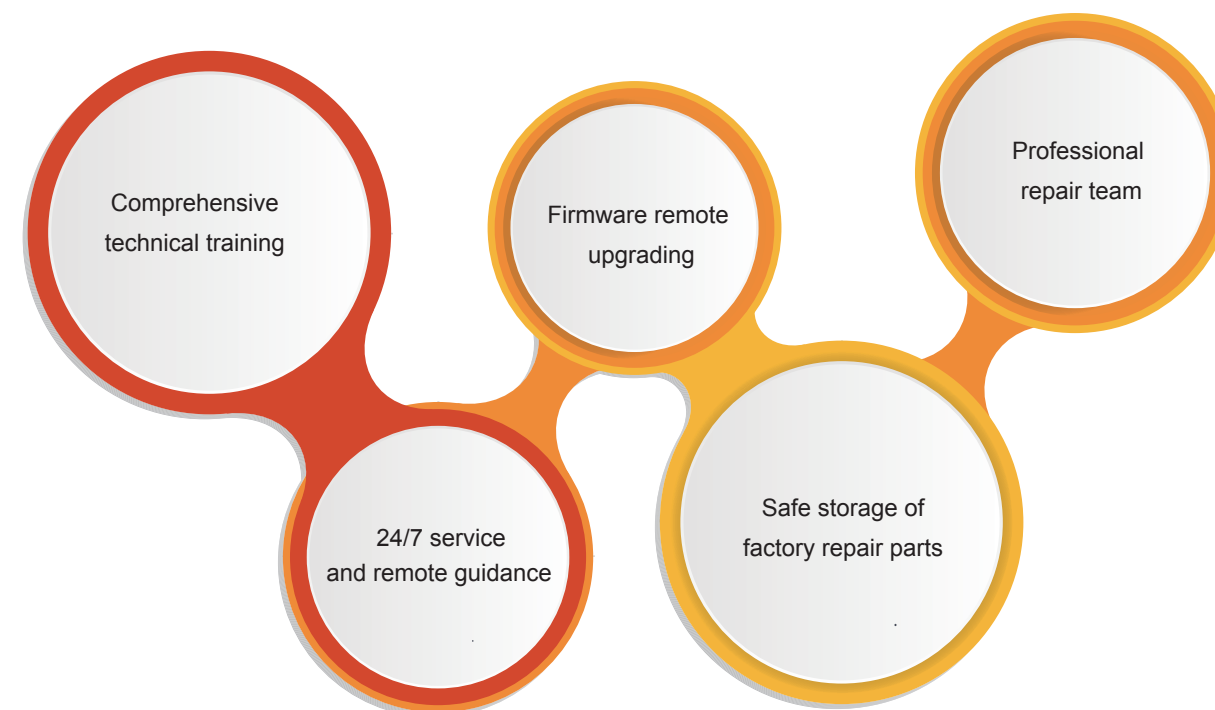
- Back end/cloud platform development & management
- Real-time monitoring and management of chargers
- Account authorization management
- Big data analysis

INTEGRATED PRODUCTS SERVICE

Pacific Blue Intelligent has established a comprehensive operation model that integrates diverse products and services, including research and design, manufacturing, marketing, and services. Whether in public construction projects or implementing the national-wide charging station project in China, green energy and environmental protection are both important elements of Hiconics's corporate social responsibility. Our mission is to make charging safer and easier. In order to establish a more convenient charging environment, Pacific Blue Intelligent has also sought strategic partnerships with many clients to leverage the company's years of experience in the EV industry to aggressively plan and build charging stations in construction projects across China.



■ After-sale Services



Development & Design

- 3.5~600kW portable / movable/wall-mounted / free standing charger design
- Planning of EV charging stations
- Integration of energy storage and safety management
- CNAS, GB/T, CE, DAKKS certification
- Complies with IEC62196-2 Type1&2, CHAdeMO, CCS, SAE J1772, GB/ T charging interfaces
- Professional laboratory

Production & Manufacturing

- Fully automatic production line
- MES tracing system
- ISO9001/ISO14001/ISO45001

Survey & Construction

- Charging station planning
- Electrical power evaluation and model selection
- Operator management
- Professional installation

PRODUCT PERFORMANCE



TIME-TESTED

Over 17 years of experience in driving field and with more than > 10000 units sold



GLOBAL

Installations in over > 200 cities in China and > 20 countries



FLEXIBILITY

Free combination of 4 standards serving all electric vehicles

GB/T connectors for Chinese cars

CCS connectors for American and EU cars

CHAdeMO connectors for Japanese cars

AC Plug for early EV and hybrid cars



SAFETY

Independently certified and 3rd party tested according to relevant electrical safety standards



RELIABILITY

Multiple power modules ensures continued operation in the event of single component failure



INNOVATIVE

Always ready for the next generation of EVs, including trucks, vans and other special vehicles, with up to 1000V higher voltage output



CONNECTIVITY

24/7/365 network monitoring of the charger status Remote updates with latest features for the latest EVs
More than 75% of service cases could be resolved remotely

EASY TO USE

Automatic customer authorization upon plug-in with Autocharge feature
Touch screen display with user friendly flow and simplified visual of charge process, support English, French, Spanish, Russian, Kazakh

EV CHARGER PRODUCTS



P12

32A Wall Box AC EV Charger



P14

32A Wall Box AC EV Charger



P16

63A Floor Mounted AC EV Charger



P18

Portable AC EV Charger



P20

15kW/30kW WALL BOX DC Fast Charger



P22

60-160kW DC Fast Charger



P24

60kW/120kW/180kW Multi-Standards Fast Charger



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360kW Split Type Liquid Cooling DC Charging System



P28

300kW Split Type Fan Cooling DC Charging System



P30

300kW/600kW Split Type Pantograph System



AC EV CHARGER

- Wall-mounted
- Floor-mounted
- Portable



32A WALL BOX

AC EV CHARGER

Features

- Ideal choices for residential, community, and commercial AC EV charger
- Optional wired/wireless connection for back office management
- Optional RFID card reader for user identification and management
- Input: 200Vac~240Vac
- IP54 rated for indoor/outdoor applications
- Firmware updates through remote connection
- Charging interface: SAE J1772 (Type 1) / IEC 62196-2 (Type2)



Applications

- Highway gas / service station
- Home use or commercial use
- EV dealer workshops
- Parking garage
- EV infrastructure operators and service providers

Electric Features

CATEGORY		HKAC SERIES	
Model Name		HKAC 32 (EU)	HKAC 32 (US)
AC Input	Input Rating	230 Vac / Single Phase	208-240 Vac / 1-phase (AC Level 2)
	AC Input Connection	L/N/PE	
	Max. Input Current (A)	32	
	Frequency (Hz)	45-65	
	Residual Current Device (Type B Optional)	Type A: IΔn 30 mA Type B: IΔn 30 mA + dc 6 mA	CCID 20
User Interface & Control	Display	3.5 inch LCD	
	User Authentication	RFID ISO/IEC 14443A/B	
	Display Information	Current, Energy	
Communication	External	Ethernet/4G/3G	
	Internal	OCPP 1.6 JSON	
Environmental	Operating Temperature (°C)	-30 ~ 50	
	Humidity (%)	5 ~ 95 RH non-condensing	
	Altitude (m)	≤2500m	
	IP Level	IP54	NEMA TYPE 3R
	Cooling method	Natural Cooling	
Mechanica	Dimension(WxDxH mm)	250*151*1451	
	Weight(kg)	≤10.2	
	Cable Length(m)	5	
Protection	Input Protection	OCP: <35.2A / OVP: >275V / UVP: <160V	
	Output Protection	OCP: <35.2A / OVP: >275V / UVP: <160V	
	Ground Fault Protection	Lost input ground connection	
Regulation	Certificate	IEC 61851-1:2017 IEC 61851-21-2	UL2594 , UL2231-1/-2
	Safety	CE	UL/cUL
	Charging Interface	IEC 62196-2:2016, Type 2 Plug	SAEJ1772 Type 1 Plug



32A WALL BOX

AC EV CHARGER

Features

- Ideal choices for residential community and commercial EV charging
- Optional wired/wireless connection for back office management
- Convenient operation of plug and charge
- Input: 200Vac~240Vac
- IP54 rated for indoor/outdoor applications
- Firmware updates through remote connection
- SAE J1772 (Type 1) or IEC 62196-2(Type 2)



Applications

- Highway gas / service station
- Home use or commercial use
- EV dealer workshops
- Parking garage
- EV infrastructure operators and service providers

Electric Features

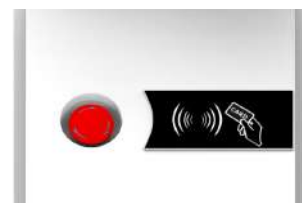
CATEGORY		HKAC SERIES	
Model Name		HKAC 32S (EU)	HKAC 32S (US)
AC Input	Input Rating	230 Vac / Single Phase	208-240 Vac / 1-phase (AC Level 2)
	AC Input Connection	L/N/PE	
	Max. Input Current (A)	32	
	Frequency (Hz)	45~65	
User Interface & Control	Residual Current Device (Type B Optional)	Type A: IΔn 30 mA Type B: IΔn 30 mA + dc 6 mA	CCID 20
	Display Information	Current, Energy	
Environmental	Operating Temperature (°C)	-30 ~ 50	
	Humidity (%)	5 ~ 95 RH non-condensong	
	Altitude (m)	≤2500m	
	IP Level	IP54	NEMA TYPE 3R
Mechanica	Cooling method	Natural Cooling	
	Dimension(WxDxH mm)	308*112.3*400	
	Weight(kg)	≤6	
Protection	Cable Length(m)	5	
	Input Protection	OCP: <35.2A / OVP: >275V / UVP: <160V	
	Output Protection	OCP: <35.2A / OVP: >275V / UVP: <160V	
Regulation	Ground Fault Protection	Lost input ground connection	
	Certificate	IEC 61851-1:2017 IEC 61851-21-2	UL2594 , UL2231-1/-2
	Safety	CE	UL/cUL
Charging Interface		IEC 62196-2:2016, Type 2 Plug	SAEJ1772 Type 1 Plug



63A FLOOR MOUNTED AC EV CHARGER

Features

- Ideal choices for residential, community, and commercial AC EV charger
- Input: 400Vac±15%
- Stylish, ergonomic and customizable design
- IP54 rated for indoor/outdoor applications
- Firmware updates through remote connection
- Optional wired/wireless connection for back office management
- Optional RFID card reader for user identification and management
- Charging interface: IEC 62196-2 (Type 2)



Applications

- Highway gas / service station
- Commercial operators
- EV dealer workshops
- Parking garage
- EV infrastructure operators and service providers

Electric Features

CATEGORY		HKAC SERIES
Model Name		HKAC63F
AC Input	Input Rating	Three phase: 3P+N+PE 400Vac ±15%
	AC Input Connection	3P + N + PE
	Max. Input Current (A)	63
	Frequency (Hz)	45~65
Residual Current Device (Type B Optional)		Type A: IΔn 30 mA, Type B: IΔn 30 mA + dc 6 Ma Manual recovery after protection triggers
User Interface & Control	Display	7 inch LCD
	User Authentication	RFID ISO/IEC 14443A/B
	Display Information	Current, Energy
Communication	External	Ethernet/4G/3G
	Internal	OCPP 1.6 JSON
Environmental	Operating Temperature (°C)	-30 ~ 50
	Humidity (%)	5 ~ 95 RH non-condensong
	Altitude (m)	<2500m
	IP Level	IP54
Cooling method		Natural Cooling
Mechanica	Dimension(WxDxH mm)	386*339*1740
	Weight(kg)	60
	Cable Length(m)	5
Protection	OOC	<69.3A
	Input Protection	OVP: >460V / UVP: <340V
	Output Protection	OVP: >460V / UVP: <340V
	Ground Fault Protection	Lost input ground connection
Regulation	Certificate	IEC 61851-1:2017 IEC 61851-21-2
	Safety	CE
	Charging Interface	IEC 62196-2:2016, Type 2 Plug Type 2 Socket

16A PORTABLE AC EV CHARGER

Mode 2, chargers can use a circuit ranging from 8Amp to 16Amp with a local standard AC input plug installed for operation



Features

- Provides over and under current, overvoltage and shortcircuit protection
- Protected against strong jets of water from all directions
- Continuously monitors/supervises the ground connection between the AC Supply and EV to ensure safe and reliable charging

CATEGORY		HKAC SERIES	
Model Name		HIEE16(EU)	HIEE16(US)
AC Input	Input Rating	Single phase : 220 ~ 240 VAC ± 10%	
	AC Input Connection	CEE7/7 (L/N/PE)	NEMA 6-20 (L/N/PE)
	Max. Input Current (A)	16	
	Frequency (Hz)	45~65	
Environmental	Operating Temperature (°C)	-30 ~ 50	
	Humidity (%)	5 ~ 95 RH, non-condensing	
	Altitude (m)	≤2000m	
	IP Level	IP66	
Mechanical	Cooling method	Natural Cooling	
	Weight(kg)	<3	
	Cable Length(m)	3M	
Protection	Input Protection	OCP: <18A / OVP: >275V / UVP: <160V	
	Output Protection	OCP: <18A / OVP: >275V / UVP: <160V	
	Ground Fault Protection	Lost input ground connection	
Regulation	Certificate	IEC 61851-1:2017, IEC 62752(IC-CPD)	(US)UL2594, UL2231-1/-2
	Safety	CE	UL/cUL
	Charging Interface	(EU)IEC 62196-2:2016 Type 2	(US)SAE J1772 Type 1

Applications

- Highway gas / service station
- Commercial operators
- EV dealer workshops
- Parking garage
- EV infrastructure operators and service providers



DC EV CHARGER

- Wall-mounted
- Floor-mounted
- Split Type



15kW/30kW WALL BOX

DC FAST CHARGER

Features

- 15kW/30kW DC fast charger supporting CCS and CHAdeMO
- IEC62196 Type 2 Combo, SAE J1772 Combo 1
- ISO15118, DIN70121, CHAdeMO 1.2
- PF>0.99 (APFC)
- Efficiency>94%
- OCPP 1.6 JSON
- Intelligent RFID card reader, ISO14443 A/B
- 7" touch screen and friendly HMI interface
- Ethernet based connection for central office management
- IK10, IP54
- Customization available
- Easy installation and maintenance



Applications

- Highway gas / service station
- Commercial operators
- EV dealer workshops
- Parking garage
- EV infrastructure operators and service providers

Electric Features

CATEGORY		HK SERIES	
Model Name		DC15	DC30
AC Input	AC Input Connection	400VAC±15% 3P + N + PE	
	Max. Input Current (A)	27.5	55
	Frequency (Hz)	45~65	
	Power Factor	≥0.99	
	Efficiency(%)	≥94	
DC Output	Output Voltage Range	150~750Vdc(15kW)/150~1000(30kW)	
	Max. Output Current	25	50
	Max. Output Power(kW)	15kW	30kW
	Voltage Accuracy(%)	± 1	
	Current Accuracy(%)	± 1	
User Interface & Control	Display	7 inch touch screen	
	Push Buttons	Emergency Stop	
	Display Information	Charging process and status / Alarm and warning messages	
	Internal	CANbus / RS485	
Environmental	Operating Temperature (°C)	-30-50, power derating from 50 and above	
	Humidity (%)	5~95RH, non-condensing	
	Altitude (m)	<2500m	
	IP Level	IP54	
	Cooling method	Fan cooling	
Mechanical	Dimension(WxDxH mm)	182*500*443	
	Weight(kg)	≤33.5	≤35
	Cable Length(m)	5 (CHAdeMO) / 5 (CCS)	
Protection	Input Protection	OVP, OCP, OPP, OTP, UVP, Residual current detection, Surge protection, Cabinet-open detection (rear door)	
	Output Protection	SCP, OCP, OVP, LVP, OTP, Residual current detection	
Regulation	Certificate	IEC 61851-1 , IEC 61851-23 , IEC 61851-21-2	
	Safety	CE,UL	
	Charging Interface	CHAdeMO 1.2, ISO15118, DIN 70121	



60-160kW DC FAST CHARGER

Features

- Could be charged up to 80% within 30 minutes
- Supporting CHAdeMO, GB/T 20234.1,3, CCS1 combo, CCS2 combo
- PF>0.99 (APFC)
- Efficiency>94% at nominal output power
- OCPP1.6 JSON
- Intelligent RFID card reader, ISO14443A (M1/MIFARE Card)
- 7" touch screen and friendly HMI interface could support
- English, French, Spanish, and Russian
- Ethernet/4G/3G
- IK10, IP54
- Customization available
- Easy installation and maintenance



Applications

- Highway gas / service station
- Commercial passenger bus operators
- EV dealer workshops
- Parking garage
- EV infrastructure operators and service providers

Electric Features

CATEGORY		HK SERIES
Model Name		80/120/160(1000VDC) 60/120/150(750VDC)
AC Input	Input Rating	Three phase
	Input Voltage	400Vac ± 15%
	AC Input Connection	3P + N + PE
	Max. Input Current (A)	110 / 146 / 220 / 275 / 293
	Frequency (Hz)	45~65
Power Factor		>0.99 @ 50% or higher load
DC Output	Output Voltage Range	50~500Vdc (CHAdeMO) 150~750Vdc (CCS) with 15kW module 150~1000Vdc (CCS) with 20kW module
	Max. Output Current	125A(CHAdeMO)/200A(CCS)
	Output Power Range(kW)	60-160
	Voltage Accuracy (%)	± 1
	Current Accuracy (%)	± 1
User Interface & Control	Display	7 inch touch screen
	Push Buttons	Emergency Stop
	User Authentication	RFID system ISO / IEC14443A/B
	Display Information	Charging process and status / Alarm and warning messages
Communication	External	Ethernet / 4G/3G
	Internal	CANbus / RS485
Environmental	Operating Temperature (°C)	-30 ~ +50, power derating from 50 and above
	Humidity (%)	5~95RH, non-condensing
	Altitude (m)	≤2500
	IP Level	IP54
	Cooling Method	Fan cooling
Weight(kg)		420 ~ 465
Cable Length(m)		5
Protection	Input Protection	OVP, OCP, OPP, OTP, UVP, Residual current detection, Surge protection, Cabinet-open detection (rear door)
	Output Protection	SCP, OCP, OVP, LVP, OTP, Residual current detection
Regulation	Certificate	IEC 61851-1:2017, IEC 61851-23, IEC 61851-24, IEC 61851-21-2
	Safety	CE,UL
	Charging Interface	CHAdeMO 1.2, ISO15118, DIN 70121



60kW/120kW/180kW MULTI-STANDARDS FAST CHARGER

Features

- 60kW/120kW/180kW multi-standards fast charger supporting free combination of CHAdeMO, GB/T 20234, CCS1, CCS2 and type 2 AC
- PF>0.99 (APFC)
- Efficiency>94% at nominal output power
- OCPP1.6 JSON
- Intelligent RFID card reader, ISO14443A (M1/MIFARE Card)
- 7" touch screen and user-friendly interface
- Ethernet/4G/3G
- IK10, IP55
- Customization available
- Easy installation and maintenance



Applications

- Highway gas / service station
- Commercial operators
- EV dealer workshops
- Parking garage
- EV infrastructure operators and service providers

Electric Features

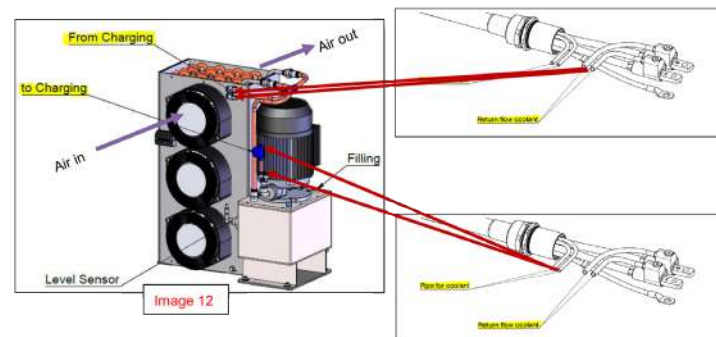
CATEGORY		HK SERIES
Model Name		HKEJE60/120/180
AC Input	Input Rating	400 VAC ± 15%
	Input voltage	400
	AC Input Connection	3P + N + PE
	Max. Input Current (A)	110A / 220A / 330A
	Frequency (Hz)	45 ~ 65
	Power Factor	>0.99
DC Output	Output Voltage Range	50~500Vdc (CHAdeMO) 150~1000Vdc (CCS) 340~460Vac (type 2 AC)
	Max. Output Current	125A(CHAdeMO)/200A(CCS)/63A(type 2)
	Output Power Range(kW)	60kW/120kW/180kW
	Voltage Accuracy (%)	± 1
	Current Accuracy (%)	± 1
User Interface & Control	Display	7 inch touch screen
	Push Buttons	Emergency Stop
	User Authentication	RFID ISO14443A (M1/MIFARE Card)
	Display Information	Charging process and status / Alarm and warning messages
Communication	External	Ethernet/4G/3G
	Internal	CANbus / RS485
Environmental	Operating Temperature (°C)	-30 ~ +50, power derating from 50 and above
	Humidity (%)	5~95RH, non-condensing
	Altitude (m)	≤2500m
	IP Level	IP55
	Cooling Method	Fan cooling
Mechanical	Dimension(WxDxH mm)	750*690*1800
	Weight(kg)	≤450 / ≤480 / ≤510
	Cable Length(m)	5
Protection	Input Protection	OVP, OCP, OPP, OTP, UVP, Residual current detection, Surge protection, Cabinet-open detection (rear door)
	Output Protection	SCP, OCP, OVP, LVP, OTP, Residual current detection
Regulation	Certificate	IEC 61851-1 , IEC 61851-23 , IEC 61851-21-2
	Safety	CE,UL
	Charging Interface	CHAdeMO 1.2, ISO15118, DIN 70121



360kW SPLIT TYPE LIQUID COOLING DC CHARGING SYSTEM

Features

- An ideal fast charging solution for EV with 150~750V battery
- Liquid cooling
- Easy installation and maintenance
- Customization available
- Free combination of different charging connectors.
- Display supports English, French, Spanish, Russian
- OCPP1.6 JSON
- IK10



Applications

- EV bus station
- Highway gas / service station
- Parking garage
- EV dealer workshops
- Commercial operators
- EV infrastructure operators / service providers

Electric Features

CATEGORY		HK SERIES	
Model Name		HK-C360-1000-E1	HK-E360-1000-E1
AC Input	Input Rating	400VAC ± 15%	
	AC Input Connection	3P + N + PE	
	Max. Input Current (A)	660A	
	Frequency (Hz)	45~65	
	Power Factor	>0.99 @ 50% or higher load	
DC Output	Efficiency (%)	94	
	Output Voltage Range	150 ~1000VDC	
	Max. Output Current	500A	
	Output Power Range(kW)	360kW	
	Voltage Accuracy (%)	± 1	
User Interface & Control	Current Accuracy (%)	± 1	
	Display	7 inch touch screen	
	Display	Emergency Stop	
	Push Buttons	RFID system ISO / IEC14443A/B	
Communication	User Authentication	Charging process and status / Alarm and warning messages	
	External	Ethernet/4G/3G	
	Internal	CANbus / RS485	
Environmental	Operating Temperature (°C)	-30 ~ +50, power derating from 50 and above	
	Humidity (%)	5 ~ 95 RH, non-condensing	
	Altitude (m)	≤2500	
	IP Level	IP54	IP55
Mechanica	Cooling method	Liquid cooling	
	Dimension(WxDxH mm)	820*800*1980	600*450*1897
	Weight(kg)	To be determined	
Protection	Cable Length(m)	≤650	≤150
	Input Protection	OVP, OCP, OTP, OPP, UVP, Residual current detection, Surge protection, Cabinet-open detection (real door)	
Regulation	Output Protection	SCP, OVP, OCP, OTP, UVP, Residual current detection	
	Certificate	CE	
	Safety	IEC 61851-1:2017, IEC 61851-23, IEC 61851-24,	
	Charging Interface	DIN70121, ISO15118	



300kW SPLIT TYPE FAN COOLING DC CHARGING SYSTEM

Features

- An ideal fast charging solution for EV with 200~750V battery
- Fan cooling
- Easy installation and maintenance
- Customization available
- Combining with the four play sub cabinet is available.
- Free combination of different charging connectors.
- Display supports English, French, Spanish and Russian
- OCPP1.6 JSON
- IK10



Applications

- EV bus station
- Highway gas / service station
- Parking garage
- EV dealer workshops
- Commercial operators
- EV infrastructure operators / service providers

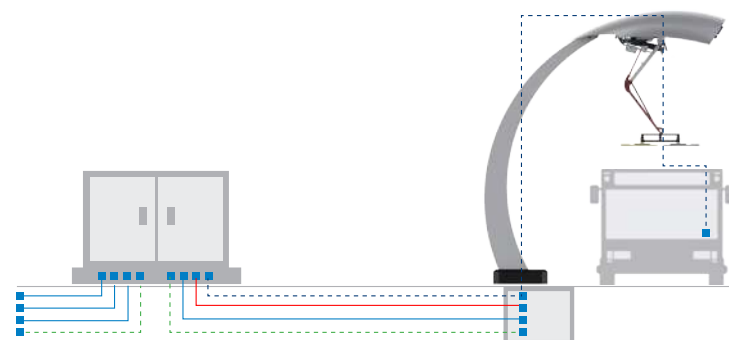
Electric Features

CATEGORY		HK SERIES	
Model Name		HK-C300-1000-E1	HK-D60-1000-E1
AC Input	Input Rating	400VAC ± 15%	
	AC Input Connection	3P + N + PE	
	Max. Input Current (A)	550	
	Frequency (Hz)	45~65	
	Power Factor	>0.99 @ 50% or higher load	
	Efficiency (%)	94	
DC Output	Output Voltage Range	150 ~1000VDC	
	Max. Output Current	200A	
	Output Power Range(kW)	300kW	
	Voltage Accuracy (%)	± 1	
	Current Accuracy (%)	± 1	
User Interface & Control	Display	7 inch touch screen	
	Display	Emergency Stop	
	Push Buttons	RFID system ISO / IEC14443A/B	
	User Authentication	Charging process and status / Alarm and warning messages	
Communication	External	Ethernet/4G/3G	
	Internal	CANbus / RS485	
Environmental	Operating Temperature (°C)	-30 ~ +50, power derating from 50 and above	
	Humidity (%)	5 ~ 95 RH, non-condensing	
	Altitude (m)	≤2500	
	IP Level	IP54	IP55
	Cooling method	Liquid cooling	
Mechanica	Dimension(WxDxH mm)	820*800*1980	400*300*1505
	Weight(kg)	≤600	≤78
	Cable Length(m)	5(ccs2)	
Protection	Input Protection	OVP, OCP, OTP, OPP, UVP, Residual current detection, Surge protection, Cabinet-open detection (real door)	
	Output Protection	SCP, OVP, OCP, OTP, UVP, Residual current detection	
Regulation	Certificate	CE	
	Safety	IEC 61851-1:2017, IEC 61851-23, IEC 61851-24, IEC 61851-21-2	
	Charging Interface	DIN70121, ISO15118	

300kW/600kW SPLIT TYPE PANTOGRAPH SYSTEM

Features

- Super fast charging solution for EV buses
- Charging Interface: Falling type (Rising type could be customized)
- Designed Service Life: >10 years
- Easy installation and maintenance
- Customization available
- Display supports English, French, Spanish and Russian



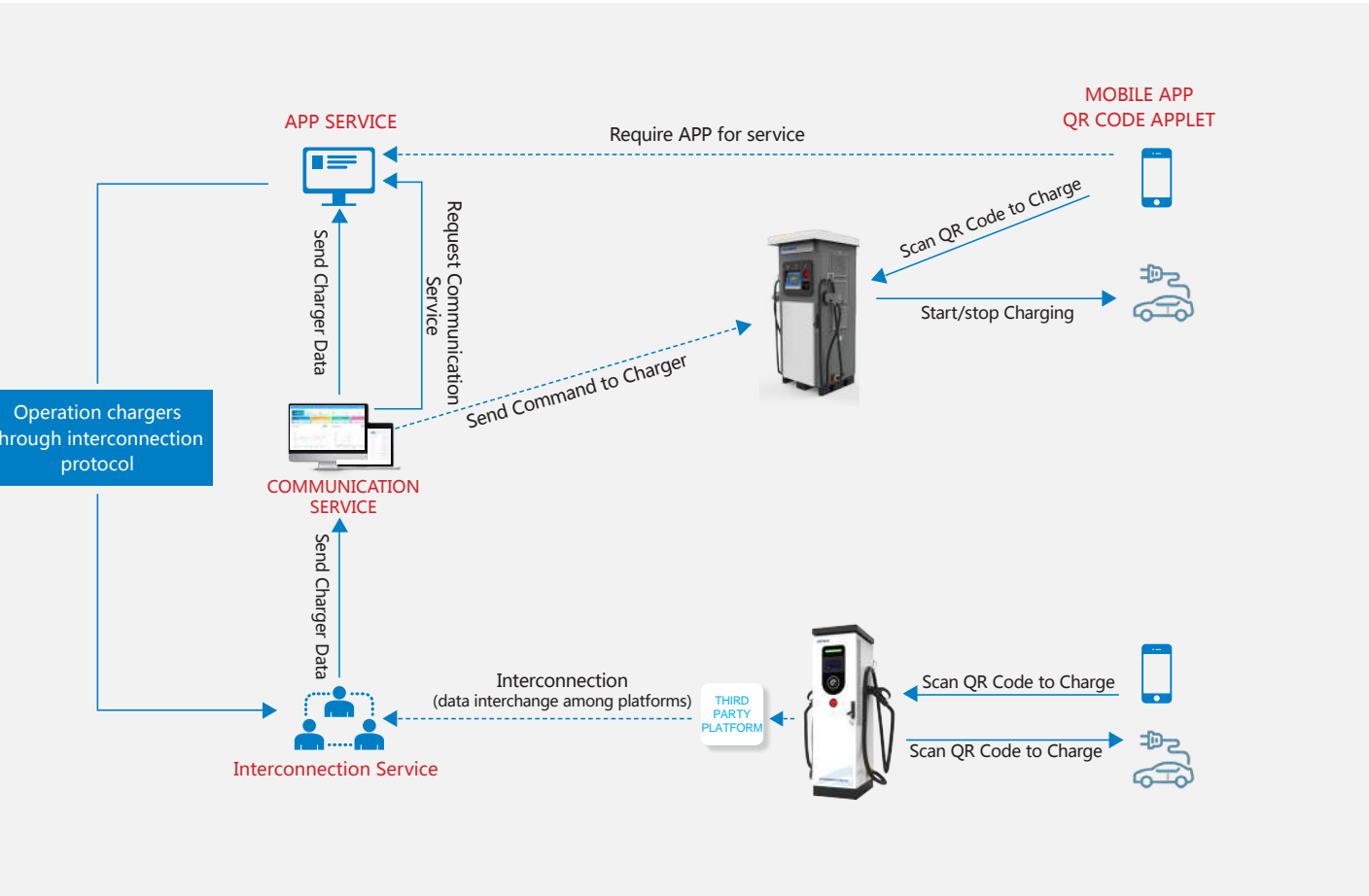
Electric Features

CATEGORY		HK SERIES	
Model Name		HK-B300-1000-E1	HK-B600-1000-E1
AC Input	Input Rating	400VAC ± 15%	
	AC Input Connection	3P + N + PE	
	Max. Input Current (A)	550	1100
	Frequency (Hz)	45~65	
	Power Factor	>0.99 @ 50% or higher load	
	Efficiency (%)	94	
DC Output	Output Voltage Range	150 ~1000VDC	
	Output Current Range	500	800
	Output Power Range(kW)	300kW/600kW	
	Voltage Accuracy (%)	± 0.5	
	Current Accuracy (%)	± 1	
User Interface & Control	Push Buttons	Emergency Stop	
	External	Ethernet/4G/3G	
Communication	Internal	CANbus / RS485	
	Operating Temperature (°C)	-30~ +50	
Environmental	Humidity (%)	5 ~ 95 RH, non-condensing	
	Altitude (m)	≤2500	
	IP Level	IP54	
	Cooling method	Fan cooling	
Protection	Input Protection	OVP, OCP, OTP, OPP, UVP, Residual current detection, Surge protection, Cabinet-open detection (real door)	
	Output Protection	SCP, OVP, OCP, OTP, UVP, Residual current detection	
Regulation	Certificate	CE	
	Safety	IEC 61851-1:2017, IEC 61851-23, IEC 61851-24, IEC 61851-21-2, GB/T 18487.1:2015	
	Charging Interface	PLC/WIFI	

EV CHARGING SOFTWARE SOLUTIONS

Pacific Blue EV charging software solution includes both the front end mobile app and user interface (HMI) as well as the back end central office and cloud-based management, payment and monitoring platforms. Through the front end mobile app, users can search for nearby chargers, make charging appointments, and monitor charging status. The HMI interface on the chargers could provide interactive charging procedures and support various payment methods.

The back-end central office and cloud-based management, payment and monitoring system can monitor individual EV charger overall status and update EV charger software remotely which facilitate the long term maintenance and management. This back-end system also allows system operators to partner with auto makers to collect charging vehicles' battery pack, BMS and related information to perform big data analysis additionally.



FRONT END SYSTEM	BACK END SYSTEM	
 <p>HMI User Interface Display of Charging Status Display of Multimedia Commercials Display of Battery Info Remote Program Update</p> 	 <p>Mobile APP Charging Appointment Search and Navigation to Chargers Monitoring of Charging Status</p> 	 <p>Multimedia Commercials Management of Multimedia Commercials Advertising Business Operation</p> <p>Charging Station Operation Maintenance / Post-sale Service Security & Surveillance Parking Management</p> <p>Payment System Interface Charging Payment Calculation Bank Authorization</p> <p>Charging Big Data Charging Data Acquisition and Analysis Software Update Big Data Utilization</p>

20⁺
COUNTRIES

200⁺
CITIES

With the fast development of China in new energy field, Pacific Blue group has devoted itself to making contribution to the national new infrastructure strategy. We are always trying to and willing to make contribution to the developmet of global better and green life. Pacific Blue EV charger has been widely applied in over 200 cities all around China and about 20 countries and regions overseas like England, France, Bulgaria, Autralia, Middle East Region and Singapore, etc. We have accumulated abundant experience in actual application and service. While constantly improving product performance and service quality, we also welcome valuable comments from users and grow up together.





Pacific Blue first EV charger overseas application is in England and has worked in normal state for almost 3 years. The high performance and good quality are widely recognized and highly evaluated by the customer. For now 25 pieces of 120kw and 150kw double-plug type EV chargers in total have been applied in England, accompanied by YUTONG Bus and mainly to ensure the normal operation of the EV buses, aiming to contribute to the good future of the British Isles.



8 pieces 60kW and 120kW double-plug type EV charger have been applied in France together with YUTONG electric bus in 2018. The EV chargers were mainly installed in the bus company in Rouen and Paris to ensure the normal running of the EV buses. With the satisfaction of the performance of Pacific Blue EV chargers, the customer has ordered another 8 pieces double-plug type 150kW chargers to prepare for 2 other charging stations.





Totally 22 pieces of 90kw single-plug type EV charger have been applied in Singapore by Pacific Blue as the manufacturer aiming to contribute to the new energy infrastructure construction of the called "Lion City". In this project, Pacific Blue EV chargers have passed strict tests of TUV SUD authority according to Singapore rules and awarded with CE and DAKKS certificates and Pacific Blue is the first one awarded by this DAKKS certificate in China. The charging stations were finished in 2019 and have been operated for about one year.



In order to response "One Belt One Road" strategy and enterprise goes out policy promoted by the Government, Pacific Blue has supplied 15 pieces EV chargers to Sophia Bus Company in Bulgaria together with YUTONG bus company and have been successfully put into operation. Of the 15 sets EV chargers, 5 sets are 120kW and 10 sets 60kW, which have been divided to 3 charging stations. Currently, the EV chargers are all in good operation.

