

HK SERIES MULTI-STANDARD CHARGING PILE

- ✓ 24-7 SMART CONNECTION
- ✓ MULTIPLE CHARGING STANDARD
- ✓ COMPREHENSIVE PROTECTION SYSTEM
- ✓ MAKE YOU ENJOY THE CHARGING TIME



The HK series multi-standard charging pile is a kind of fast charging equipment for pure EV vehicles which is designed and developed according to the European standard. Three different charging standards of CCS2, CHAdeMO and type 2 have been combined into one cabinet aiming to meet various options of the customer. Outdoor floor-mounted method adopted and with waterproof, dustproof and anti-corrosion functions, the charging pile could achieve a protection class of IP55 and its design could meet environment protection demand. With modular design concept adopted, it has easily achieved convenient installation and commissioning and simple maintenance, etc. This multi-standard charging pile could be applied in large-scale parking lots, residential areas, shopping malls, hospitals, transfer stations, airports, docks, parks and scenic spots.



IK Protection > IK10



Charging and Fault
Record > 1000 pieces



Independent air dust adapted
easy to maintain



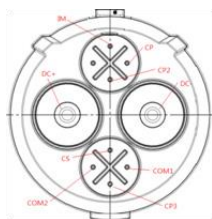
IP Class > IP54



HMI support Chinese, English,
French and Spanish

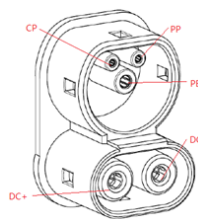


Plug & Charge, RFID, QR code,
Back Office



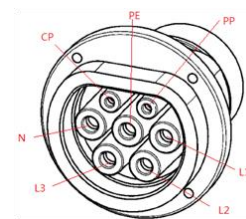
IEC62196-3: CHAdeMO

IM: Grounding CP: Signal 1
CP2: Signal 2 DC-: Output DC-
DC+: Output DC+ CS: Signal 3
COM1: CANH CP3: Signal 4
COM2: CANL



IEC62196-3: CCS Combo 2

CP: Signal 1 PP: Signal 2
PE: Grounding DC-: output DC-
DC+: output DC+



IEC62196-2: Type 2

CP: Signal 1 PP: Signal 2
PE: Grounding N: neutral line
L1: phase line 1 L2: phase line 2
L3: phase line 3

PERFORMANCE



ADVANCED MANUFACTURE TECHNOLOGY

The cabinet has adopted 2mm thick steel plate and is treated with zinc plating + multi-layer spraying, with the function of preventing ultraviolet radiation, effectively prevented the cabinet from rusting and aging. With mechanical characteristics greater than IK10, damages caused by strong impact have been greatly reduced.



MULTIPLE CHARGING STANDARD

The charging pile has three charging modes of CCS2, Type 2 and CHAdeMO. With the maximum output current up to 200A, Hiconics charging pile has greatly reduced the customer's waiting time and got higher satisfaction. Four charging modes of automatic charging, reservation charging, ration charging and SOC charging could be selected. Start methods of plug and charge, by IC card, by APP and by pressing button could also be set freely aiming to meet different requests of various customers.



UNIQUE AIR DUCT DESIGN

“Left in and right out” air duct design scheme has adopted to achieve good dustproof and waterproof functions and the protection grade has reached IP54. The air inlet adopts buckle design, which is convenient for disassembly and maintenance.



PERFECT SECURITY PROTECTION

1. With protect Functions of overvoltage/undervoltage, over current, input/output default phase, residual current protection, lightning protection, PID protection together, personnel damages have been avoided in large extent.

2. Meet European Safety Design Standard.



ELECTRICAL CHARACTERISTICS

CATEGORY		HK SERIES
AC Input	Model Name	HKEJE60/120/180
	Input Rating	400 VAC $\pm$ 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 (%)	$\pm$ 1
	Current Accuracy (%)	$\pm$ 1
User Interface & Control	Display	7 inch touch screen
	Push Buttons	Emergency Stop
	User Authentication	RFID ISO14443A (M1/MIFARE Card)
Communication	Display Information	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 (%)	5~95RH, non-condensing
	Altitude (m)	$\leq$ 2500m
	IP Level	IP55
	Cooling Method	Fan cooling
Mechanical	Dimension(WxDxH mm)	750*690*1800
	Weight(kg)	$\leq$ 450 / $\leq$ 480 / $\leq$ 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