



HELLONEXT

FAST AND ULTRA FAST CHARGER DC



H2 90-180

- › Multi-standard: CCS and CHAdeMO
- › Smart charging and dynamic load balancing during the charging process between the two connectors
- › Network or standalone operation
- › Optional cable management accessories
- › 7-inch LCD screen with user friendly interface
- › Supports OTA (Over-The-Air) technology
- › Optional 300A charging with 500A boost
- › Plug and Charge ready
- › Easy power upgrade possibility

Weight from <math><390\text{kg} \pm 1\%</math> to $500\text{kg} \pm 1\%$

Values in mm



TECHNICAL SPECIFICATIONS

POWER SPECIFICATION		H2 90	H2 120	H2 150	H2 180
AC Input	Input Rating	3ø_380~415Vac (±15%)			
	AC Input Connection	3P+N+PE (Wye configuration), TN/TT/IT			
	Max. Input Current	3 ø 175A	3 ø 230A	3 ø 288A	3 ø 350A
	Frequency	50Hz/60Hz			
	Power Factor	>0.99			
	Efficiency	>94%, at optimize V/I point			
AC Output	Output Voltage Range	CCS2:150~950Vdc CHAdeMO:150~500Vdc			
	Max. Output Current	CHAdeMO 120A@150Vdc - 500Vdc			
	Max. Output Power	CCS2 Standard: 250A@150Vdc~360Vdc Option 1: 300A@150Vdc - 300Vdc Option 2: 300A + Boost 500A 500A@150-180Vdc when output voltage 950Vdc output current 94A	CCS Standard: 250A@150Vdc~480Vdc Option 1: 300A@150Vdc - 400Vdc Option 2: 300A + Boost 500A 500A@150- 240Vdc when output voltage 950Vdc output current 126A	CCS2 Standard: 250A@150Vdc~600Vdc Option 1: 300A@150Vdc - 500Vdc Option 2: 300A + Boost 500A 500A@150- 300Vdc when output voltage 950Vdc output current 157A	CCS2 Standard: 250A@150Vdc - 720Vdc Option 1: 300A@150Vdc - 600Vdc Option 2: 300A + Boost 500A 500A@150- 360Vdc when output voltage 950Vdc output current 189A
	Max. Output Power	90kW	120kW	150kW	180kW
	Voltage Accuracy	±2%			
	Current Accuracy	±2%			

USER INTERFACE & CONTROL

Display	7" TFT-LCD
Push Buttons	Operation buttons / Emergency stop button (optional)
User Authentication	RFID: support ISO 14443A/B, ISO 15693, FeliCa Lite-S (RCS966), OCPP, 2D barcode, APP, Mobile payment

ENVIRONMENT

Operating Temperature	-30°C~50°C, will derating from 50°C and above
Humidity	5%~95% RH, non-condensing
Altitude	≤2000m
IP/IK Level	IP55 IK10 (not including screen and RFID module)
Cooling Method	Fan cooling

COMMUNICATION

External	Ethernet, Wi-Fi, and 4G
Internal	CAN bus/RS485

PROTECTION

Input Protection	OVP, OCP, OPP, OTP, UVP, RCD, SPD
Output Protection	OCP, SCP, OVP, LVP, OTP, IMD

MECHANICAL

	H2 90	H2 120	H2 150	H2 180
Dimension (WxDxH)	800 x 650 x 1900mm ±1%			
Weight	≤390kg ±1%	420kg ±1%	460kg ±1%	500kg ±1%
Cable Length	4m			

REGULATION

Certificate	IEC 61851-1, IEC 61851-23, IEC 61851-21-2
Charging Interface	CHAdeMO V12, DIN 70121, ISO15118

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