

## DC CHARGERS MODELS H2 90-120-150-180

CE

# ULTRA FAST CHARGERS POWER RANGE > 90KW / 120 KW / 150 KW / 180 KW

### ULTRA FAST CHARGERS POWER RANGE > 90KW / 120 KW / 150 KW / 180 KW

HELLONEXT DC Chargers are the perfect solution to efficiently charge your electric vehicle. They are designed to ensure ultra-fast charging in both public and private locations, such as retailers, highway service stations, commercial parking lots, fleet operators, EV infrastructure operators, and service providers.





HELLONEXT H2 models are ultra-fast chargers with simultaneous charging outputs, ensuring the maximum power in each plug. Easy to install and maintain, they are fully customizable to any brand. Ensuring an easy, flexible, and cost-effective installation.

HELLONEXT H2 are built with pluggable power modules.With a simple and intuitive interface and all the safety certifications, HELLONEXT DC chargers are extremely resistant, making them the best choice for the most demanding outdoor environments.

## MAIN FEATURES

- > Multi-standard: CCS and CHAdeMO
- > Simultaneous 2 DC charging
- Supports smart charging and load balancing
- > Network or standalone operation
- > User authentication
- > Optional cable management accessories
- > 7-inch LCD screen with user friendly interface
- > Efficiency > 94%; PF > 0.99(APFC)
- > IKI0 (Not including screen and RFID module), IP55
- > Easy Power Upgrade Possibility

#### ACCESSORIES

Cables Management (dimensions1282x232x195)



### ✓ TECHNICAL SPECIFICATIONS

POWER SPECIFICATION     signal status     s	MODEL		H2 90	H2 120	H2 150	H2 180	
AC input Connection     3PHAPE (Wy configuration), TW/TT/IT     3e 30 300     3e 30 300       Max. input Current     3 e 175A     3 e 230A     3e 28A     3e 30 30A       Prequency     <     50H2/60H2      3e 30A       Prequency      50H2/60H2      3e 30A       Prequency      50H2/60H2     3e 30A     3e 30A       Prequency      50H2/60H2     3e 30A     3e 30A       Prequency      50H2/60H2     3e 30A     3e 30A       Max. Output Voltage Range      CHAdeMO 120A@50W     CHAdeMO 120A@50W     CHAdeMO 120A@50W     CCS2:200A@75W     CS2:200A@75W     CS2:200A@75W<	POWER	SPECIFICATION					
Max. Inguit Current     3 a 175A     3 a 230A     3 a 288A     3 a 350A       Prequency     6475A     5042/5042     -       Power Factor     >>9484, aduitational state     -       Power Factor     >>9484, aduitational state     -       Max. Output Voltage Range     -CHAdeMO 150-950V/L     CHAdeMO 150A950V/L     -CHAdeMO 150A950V/L     -CHAdeMO 150A950V/L     -CERS200A9690V/L     -CERS200A960V/L	Input Rating		3ø_380~415Vac (±15%)				
Integrate     Frequency     SOH 2060H2       Prover Pactor     >0.99     >       Efficiency     >0.99     >       Efficiency     >0.94%, at optimize V/1 point     >       Max. Output Valoage Renge     -CHAdeMO     20.48500V     -CHAdeMO 120.48500V     -CHAdeMO 120.48500V     -CHAdeMO 120.48500V     -CES2.200.49750V		AC Input Connection	3P+N+PE (Wye configuration), TN/TT/IT				
Industry     Image: Constraint of the second of t		Max. Input Current	3 ø 175A	3 ø 230A	3ø 288A	3ø 350A	
Perfection of the second secon		Frequency	50Hz/60Hz				
Output Voltage Range     CCS2:150-950VtC CH4deM0:150-500Vd.     CH4deM0:120A@500V -CCS2:200A@450V -CCN us/CFSAG5 -CCN us/CFSAG			>0.99				
Dr. Output     Max. Dutput Current 20049000 (20022000,49000) (2002200,49000) (2002200,49000) (2002200,49000) (2002200,49000) (2002200,49000) (2002200,49000) (2002200,49000) (2002200,49000) (2002200,49000) (2002200,49000) (2002200,49000) (2002200,49000) (2002200,49000) (2002200,49000) (2002200,49000) (2002200,4000) (200200,400000,40000) (200200,40000,4000000,4000000,4000000,400000,							
Max Output Current120A@S00V -CCS2200A@S0V optional 300A-CCS2200A@S0V optional 300AMax Output Power90kW120kW150kW180kWVatage Accuracy Current Accuracy120kW150kW180kWVatage Accuracy Current Accuracy120kW150kW180kWUser NUTERFACE & CONTROLUser NUTERFACE & CONTROLUser Acturacy Current Accuracy0120kW180kWOperation button / Emergency stop buttonPush Butons0Operation button / Emergency stop buttonUser AuthenticationPish Elis Support IS 14443A/B, ISO 18693, FeliC Life's (RCS966), OCPP, NP, Mobile paymentControlControlEnterretVision Soft and aboxISOft Soft Soft Soft Soft Soft Soft Soft So		Output Voltage Range					
Max. Output Power Voltage Accuracy Current AccuracyJokwIsokwIsokwVoltage Accuracy $\pm 2\%$ USER INTERFACE & CONTROLDisplay $-7^*$ TFT-LCDPush ButtonsOperation button / Emergency stop buttonUSer AuthenticationRFID: support ISO 14443A/B, ISO 15693, Fel/Ca Lite-S (RCS966), OCPP, 2D barcode, APP, Mobile paymentCOMMUNICATIONEthernet, Wi-Fi, and 4GInternalCAN bus/R5485ExternalEthernet, Wi-Fi, and 4GInternal-30°C-50°C, will derating from 50°C and aboveHumidity $-30°C-50°C, will derating from 50°C and aboveHumidity-30°C-50°C, will derating from 50°C and aboveHumidity-30°C-50°C, will derating from 50°C and aboveHumidity500 \times 650 \times 1000mm ±1%K100 (not including screen and RFID module)Cooling MethodEV = -50°C = CoolingMEEHANICAL400x \pm 50 \times 1900mm ±1%K000 x 650 x 1900 mm ±1%800 x 650 x 1900mm ±1%Weight\leq 390kg \pm 1\%Veight400kg \pm 1\%K100 (not including screen and RFID module)Weight\leq 390kg \pm 1\%Method500 \times 650 \times 1900mm ±1%Weight\leq 390kg \pm 1\%K100 (not including screen and RFID module)Motiget IDCP, SCP, VP, LVP, OTP, IMPMethodCCP, SCP, VP, LVP, OTP, IMDRECULATIONCCP, SCP, VP, LVP, OTP, IMDRECULATIONIEC 61851-21, IEC 61851-21, I$		·	120A@500V	- CCS2:200A@600V,	- CCS2:200A@750V,	- CCS2:200A@900V,	
Image: I		Max. Output Power	90kW	120kW	150kW	180kW	
USER INTRFACE & CONTROL     Display   P*TFT-LCD     Push Buttons   Operation button / Emergency stop button     USer Authentication   RFID: support ISO 14443AVB, ISO 15693, FeliCa Lite-S (RCS966), OCPP, 2D barcode, APP, Mobile payment     COMMUNICATION     External   Ethernet, Wi-Fi, and 4G     Internal   CAN bus/RS485     ENVIRONMENTAL     Operating Temperature     400°C-50°C, will derating from 50°C and above     FINTERSON COLSPANSES     Humidity     A0°C-50°C, will derating from 50°C and above     Power is 0°C -30°C-50°C, will derating from 50°C and above     Power is 0°C -30°C -30°C - 50°C, will derating from 50°C and above     Power is 0°C -30°C -50°C, will derating from 50°C and above     Imprint     VIRONMENTAL     Source and RFID module)     Coding Temperature     IP/IK Level     IP/IK Level   IK10 (not including screen and RFID module)     Cooling Method   800 x 650 x 1900mm ±1%   800 x 650 x 1900mm ±1%   800 x 650 x 1900mm ±1%   600 x 650 x 1900mm ±1%   500 kg ±1%   500 kg ±1%		Voltage Accuracy	±2%				
Display   "TTFI-LCD     Push Buttons   Operation button / Emergency stop button     User Authentication   RFID: support ISO 14443A/B, ISO 15693, FeliCa Lite-S (RCS966), OCPP, 2D barcode, APP, Mobile     COMMUNICATION   Etherse (RCS966), OCPP, 2D barcode, APP, Mobile     External   Etherse (RCS966), OCPP, 2D barcode, APP, Mobile     Internal   COMMUNICATION     External   Etherse (RCS966), OCPP, 2D barcode, APP, Mobile     Internal   Communication     ENVIRONMENTAL   Communication     Operating Temperature   -30°C-50°C, will d=training from 50°C and above     Humidity   Support ISO 14443A/B (SO 1569, F95% RH, non-condensing     Intrude   Support ISO (Intruducing screen and RFID module)     Cooling Method   Support ISO 14443A/B (SO 1569, F95% RH, non-condensing     IP/IK Level   IF55     ISO (Internal Screen and RFID module)   South colspan="2">South colspan="2"     IP/IK Level   <		Current Accuracy	±2%				
Number     Operation button / Emergency stop button       RFID: support ISO 14443A/B, ISO 15693, FeliCa Lite-S (RCS966), OCPP, 2D barcode, APP, Mobile payment       COMMUNICATION       External       External       Internal       CAN bus/RS485       ENVIRONMENTAL       Operating Temperature       Humidity       S%-95% RH, non-condensing       Humidity       Altitude       IP/IK Level       IK10 (not including screen and RFID module)       Cooling Method       Meight       S390kg ±1%       420kg ±1%       460kg ±1%       S00 x 650 x 1900mm ±1%       800 x 650 x 1900mm ±1%       800 x 650 x 1900mm ±1%       S00 x 650 x 1900mm ±1% <td< td=""><td>USER IN</td><td>ITERFACE &amp; CONTROL</td><td></td><td></td><td></td><td></td></td<>	USER IN	ITERFACE & CONTROL					
USer Authentication   RFID: support ISO 14443A/B, ISO 15693, FeliCa Lite-S (RCS966), OCPP, 2D barcode, APP, Mobile payment     COMMUNICATION   Ethernet, Wi-Fi, and 4G     External   CCN bus/RS485     Enternal   CCN bus/RS485     ENVIRONMENTAL   Sold Control Support ISO 14443A/B, ISO 15693, Rell, non-condensing     Operating Temperature	Display		7" TFT-LCD				
Construction     payment       COMMUNICATION     External     External     External     Gamma 4G       Internal     CAN bus/RS485     External from 50°C and above	Push Buttons		Operation button / Emergency stop button				
ExternalEthernet, Wi-Fi, and 4GInternalEthernet, Wi-Fi, and 4GInternalCAN bus/RS485ENVIRONMENTALOperating Temperature-30°C-50°C, will derating from 50°C and aboveHumidity-30°C-50°C, will derating from 50°C and aboveHumidity	USer Authentication						
InternalCAN bus/RS485EXVIRONMENTALOperating Temperature-30°C~50°C, will dustrating from 50°C and aboveHumidity-30°C~50°C, will dustrating from 50°C and aboveHumidity-30°C~50°C, will dustrating from 50°C and aboveHumidity-30°C~50°C, will dustrating from 50°C and aboveAltitude-30°C~50°C, will dustrating from 50°C and aboveHumidity-30°C~50°C, will dustrating from 50°C and aboveAltitude-30°C~50°C, will dustrating from 50°C and aboveAltitude-30°C~50°C, will dustrating from 50°C and aboveIP/IK LevelIP55IP/IK LevelIP55IP/IK LevelIP55IRCHANICAL	COMML	JNICATION					
ENVIRONMENTAL       Operating Temperature     -30°C~50°C, will derating from 50°C and above       Humidity     5%-95% RH, non-condensing       Altitude     5%-95% RH, non-condensing       Altitude     2000m       IP/IK Level     IP55       IP/IK Level     IP55       Cooling Method     Fan cooling       MECHANICAL     Version 1000m ±1%       Cabinet Dimensions     800 x 650 x 1900mm ±1%       800 x 650 x 1900mm ±1%     800 x 650 x 1900mm ±1%       Veight     ≤390kg ±1%     420kg ±1%     460kg ±1%       S00kg ±1%     460kg ±1%     500kg ±1%       PROTECTION     OVP, OCP, OPP, OTP, UVP, RCD, SPD     500kg ±1%       Input Protection     OVP, OCP, OPP, OTP, UVP, RCD, SPD     500kg ±1%       Quitput Protection     OVP, OCP, OPP, UVP, NTP, IMD     500kg ±1%       REGULATION     IEC 61851-1, IEC 61851-21-2     500kg 51-21-2	External		Ethernet, Wi-Fi, and 4G				
Operating Temperature30°C50°C, will derating from 50°C and aboveHumidity30°C50°C, will derating from 50°C and aboveHumidity5%-95% RH, non-condensingAltitude2000mIP/IK LevelIP55IP/IK LevelIK10 (not including screen and RFID module)Cooling Method	Internal		CAN bus/RS485				
Humidity     5%-95% RH, non-condensing       Altitude     ≤2000m       IP/IK Level     IP55       IP/IK Level     IF55       Cooling Method     Far cooling       MECHANICAL       Cabinet Dimensions     800 x 650 x 1900mm ±1%     800 x 650 x 1900mm ±1%       Weight     ≤390kg ±1%     420kg ±1%     460kg ±1%     500kg ±1%       Cable Lenght     ≤390kg ±1%     420kg ±1%     500kg ±1%     500kg ±1%       PROTECTION      4m     500kg ±1%     500kg ±1%       Input Protection     OVP, OCP, OPP, OTP, UVP, RCD, SPD     500kg ±1%     500kg ±1%     500kg ±1%       REGULATION     IEC 61851-1, IEC 61851-2, IEC 61851-21-2     500kg ±1, IEC 61851-2, IEC 61851-21-2     500kg ±1, IEC 61851-2, IEC 61851-21-2	ENVIRO	NMENTAL					
Altitude   S200m     IP/IK Level   IP55     IK10 (not including screen and RFID module)   IK10 (not including screen and RFID module)     Cooling Method   S00 x 650 x 1000mm ±1%   800 x 650 x 1900mm ±1%     MECHANICAL   800 x 650 x 1900mm ±1%   800 x 650 x 1900mm ±1%     Cabinet Dimensions   800 x 650 x 1900mm ±1%   800 x 650 x 1900mm ±1%     Weight   ≤390kg ±1%   420kg ±1%   460kg ±1%   500kg ±1%     Cable Lenght	Operating Temperature		-30°C~50°C, will derating from 50°C and above				
IP/IK Level   IP55     IK10 (not including screen and RFID module)     Cooling Method   Factoring     MECHANICAL     Cabinet Dimensions   800 x 650 x 1900mm ±1%   800 x 650 x 1900mm ±1%     Weight   ≤390kg ±1%   420kg ±1%   460kg ±1%   500kg ±1%     Cable Lenght   ≤390kg ±1%   420kg ±1%   460kg ±1%   500kg ±1%     PROTECTION    4m   500kg ±1%   500kg ±1%     Input Protection   OVP, OCP, OPP, UVP, RCD, SPD   500kg ±1%   500kg ±1%     REGULATION   OCP, SCP, VP, UVP, TVP, UVP, RCD, SPD   500kg ±1%   500kg ±1%     REGULATION   IEC 61851-1, IEC 61851-21-2   500kg ±1.2   500kg ±1.2	Humidity		5%~95% RH, non-condensing				
IP/IK Level   IK10 (not including screen and RFID module)     Cooling Method   Far cooling     MECHANICAL   State of the sta	Altitude		≤2000m				
IK10 (not including screen and RFID module)     Cooling Method   Fan cooling     MECHANICAL   MECHANICAL     Cabinet Dimensions   800 x 650 x 1900mm ±1%   800 x 650 x 1900mm ±1%     Weight   ≤390kg ±1%   420kg ±1%   460kg ±1%   500kg ±1%     Cable Lenght   ≤390kg ±1%   420kg ±1%   460kg ±1%   500kg ±1%     PROTECTION	IP/IK Level		IP55				
MECHANICAL       Cabinet Dimensions     800 x 650 x 1900mm ±1%     800 x 650 x 1900mm ±1%     800 x 650 x 1900mm ±1%       Weight     ≤390kg ±1%     420kg ±1%     460kg ±1%     500kg ±1%       Cable Lenght			IK1O (not including screen and RFID module)				
Cabinet Dimensions800 x 650 x 1900mm ±1%800 x 650 x 1900mm ±1%800 x 650 x 1900mm ±1%Weight≤390kg ±1%420kg ±1%460kg ±1%500kg ±1%Cable Lenght	Cooling Method		Fan cooling				
Weight $\leq 390 \text{kg} \pm 1\%$ $420 \text{kg} \pm 1\%$ $460 \text{kg} \pm 1\%$ $500 \text{kg} \pm 1\%$ Cable Lenght $4 \text{m}$ $4 \text{m}$ $4 \text{m}$ PROTECTIONInput Protection $0 \text{CP}, \text{OCP}, \text{OPP}, \text{OTP}, \text{UVP}, \text{RCD}, \text{SPD}$ Output Protection $0 \text{CP}, \text{SCP}, \nabla \text{P}, \text{UVP}, \text{OTP}, \text{IMD}$ REGULATIONCertificate $1 \text{EC}  61851 - 1, 1 \text{EC}  61851 - 23, 1 \text{EC}  61851 - 21 - 2$	MECHAI	NICAL					
Cable Lenght4mPROTECTIONInput ProtectionOVP, OCP, OPP, OTP, UVP, RCD, SPDOutput ProtectionOCP, SCP, OVP, LVP, OTP, IMDREGULATIONCertificateIEC 61851-1, IEC 61851-23, IEC 61851-21-2	Cabinet Dimensions		800 x 650	x 1900mm ±1%	800 x 650 x 1900mm ±1%	800 x 650 x 1900mm ±1%	
PROTECTION     Input Protection   OVP, OCP, OPP, OTP, UVP, RCD, SPD     Output Protection   OCP, SCP, OVP, LVP, OTP, IMD     REGULATION   IEC 61851-1, IEC 61851-23, IEC 61851-21-2	Weight		≤390kg ±1%	420kg ±1%	460kg ±1%	500kg ±1%	
Input ProtectionOVP, OCP, OPP, OTP, UVP, RCD, SPDOutput ProtectionOCP, SCP, OVP, LVP, OTP, IMDREGULATIONCertificateIEC 61851-1, IEC 61851-23, IEC 61851-21-2	Cable Lenght				4m		
Output Protection OCP, SCP, OVP, LVP, OTP, IMD   REGULATION IEC 61851-1, IEC 61851-23, IEC 61851-21-2	PROTEC	TION					
REGULATION   Certificate   IEC 61851-1, IEC 61851-23, IEC 61851-21-2	Input Protection		OVP, OCP, OPP, OTP, UVP, RCD, SPD				
Certificate IEC 61851-1, IEC 61851-23, IEC 61851-21-2	Output Protection		OCP, SCP, OVP, LVP, OTP, IMD				
	REGULA						
			IEC 61851-1, IEC 61851-23, IEC 61851-21-2				
	Charging	g Interface		CHAdeMO VI2, DIN 70121, IS015118			

## YOUR PARTNER TOWARDS SUSTAINABILITY

Hellonext will guide you through the decarbonization challenge.

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