

Harmony Direct gen 1.5 (Int.)

Extreme Power DC charger for heavy duty Electric Vehicles





Power up your charging operations

Serving all types of vehicles and charging needs, our Harmony fast DC chargers guarantee smooth backend compatibility, an intuitive user experience, and simple integration with your existing business operations.



Everything you might be asking for

- + Operable in extreme high temperatures without power derating
- + Cable management retractor and integrated area lighting
- + CCS2, CHAdeMo, GB/T outputs
- + >95% energy efficiency
- + Power configurations from 240 kW to 400 kW in 40kW increments
- + Stainless Steel structure available
- + Smooth payment and authentication
- + Intuitive user experience
- + Authentication: RFID, QR code, Plug & Charge with MAC ID
- + OCPP 1.6J
- + Easy transportation and installation
- + Customizable corporate branding
- + 10" capacitive touch screen user interface
- + IP54 rated water resistant

The trusted EV charging solution provider for industry leaders

Fleets

Fleet vehicles only earn you money while they're on the road. We help ensure your vehicles are charged and ready for work whenever and wherever they're needed.

Workplace

Exercise your commitment to sustainable transportation and facillitate company-wide emission reduction by providing convenient workplace charging options.

Charge Point Operators

End-to-end management and control over the charging process and experience. Pair your chargers with ChargeX or integrate with another charger management system of your choice.

Retail & Hospitality

Reliable charging solutions that are easy to install, maintain, and scale, so you can appeal to EV-driving patrons with convenient on-site charging options.

Heavy duty vehicles

Big loads need powerful charging. Our industrial charging solutions ensure your heavy duty fleet is charged and ready to run at full capacity.

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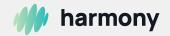








Specifications



Power Output Voltage Rating: 200 - 1,000 Vdc

Outlet 1: CCS-2 300 A or 400 A (cont.)

Outlet 2 (optional): CCS-2 300 A or 400 A (cont.)

System Power Rating: 240kW with 6* 40kW modules

320kW with 8* 40kW modules 400kW with 10* 40kW modules

CCS Power Class: UFC 240, UFC 320, UFC 400

Simultaneous EV charging qty.: up to 2

Mains Input Voltage (nominal): 380/400/415 Vac

Input Voltage Range: 320 Vac - 520 Vac

Network Connection: TN-S

AC Wiring: 3-Phase (L1, L2, L3), N, PE

AC Power Rating (@ 400 Vac): 372 A, 258 kVA for 240 kW

496 A, 344 kVA for 320 kW 620 A, 430 kVA for 400 kW

Input Frequency (nominal): 50 / 60 Hz
Input Frequency Range: 45 - 65 Hz
Conversion Efficiency: ≥ 95% (peak)

THD(i): < 5 %

Power Factor: > 0.98

Inrush Current (Instant Impulse Current): < 100 A

Short Circuit Current Rating: 25 kA Standby Power @ nom. voltage: <35W

Mechanical Ingress Protection: IP 54 acc. IEC 60529

Impact Resistance: IK10 acc. IEC 62262

Dimension (H*W*D): 1,880 * 795 * 820 mm without cable management (2,030 mm height with

cable management)

Weight: 430 kg approx.

Cable Management: Roof mounted sprung retractors with integrated area/status lighting

Charging Cable Length: 5 meters, 7 meters optional

Material: Texture Finish Powder Coating SECC or Stainless Steel

Mounting: Free Standing (may be bolted to floor)

Cooling: Forced Air (variable speed)

Configuration Software update: OTA (Over The Air)

Control and Set up: OCPP v1.6j, local, Exicom MBE platform (password controlled)

Environmental Operating Temperature: -30 °C to 75 °C (linear de-rating above 45 °C)

Storage Temperature: -40 °C to 80 °C

Altitude: 2,000 meters (de-rating above 2,000 meters)

Humidity (Non-Condensing): 5 % to 95 %

Specifications



Standards / Certification

Safety: IEC 61851-1;

IEC 61851-21-2; IEC 61851-23; IEC 61851-24; IEC 62196-1; IEC 62196-2; IEC 62196-3; IEC 61000

Other: CE (LVD, EMCD, RED, ROHS); ARAI (AIS 138 Part 2)

Vehicle Communication: DIN 70121, ISO15118

Quality

Mean Time Between Failure: >150,000 hours

Mean Time To Repair: <1 hour on arrival at site

Design Life: 10 years*

Warranty: 2 years* (standard). Extension available

Protection and Safety

Surge Protection: Integrated - IEC 61000-4-5

Over Current: 134 A @ 300 Vdc per 40kW module

Under Voltage: AC Input: < 280 Vac phase to phase Over Voltage: AC Input: > 530 Vac phase to phase

Over Temperature: Auto de-rated above 55 °C ambient

Residual Current (Leakage): < 30 mA

Over Voltage Category: III

User Interface and Comms

Display: Integrated -10" capacitive touch screen TFT LCD

Support Language: Multi-language

Emergency Switch: Available (red mushroom push button)

Charge Option / User Authentication: RFID, mobile app, OTP, QR Code

Energy Metering: DC Included (EN50470-4 compliant option)

Visual Indication (LED): Presence of Supply, State of Charging, Error

RFID: MIFARE - ISO/IEC 14443A/B

Connectivity: Internet access via Ethernet (RJ45)

Modem (option): 4G LTE (EU)

harmony D 400K 1K0 - 2 2 - 300 - 300 - 40a - G15400 - XX

1	Family Name:	Harmony	7	Max Gun Rating (A):	300 = 300 A; 400 = 400 A
2	Туре:	D = Harmony Direct	8	Module Type:	40a = 40kW (std)
3	Power Rating:	240 = 240kW; 280 = 280 kW; 320 = 320 kW; 360 = 360kW; 400 = 400kW	9	Frame Size:	G15400 = Gen 1.5, 400kW cabinet
4	Fixed Text:	K = 'thousand'	10	XX:	Specific Variant - Consult Exicom
5	Output Voltage:	1K0 = 1,000 Vdc			
6	Connector config:	2 = CCS2; 4 = GB/T-12; 5 = GB/T-24; BLANK = NONE			

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