



Harmony Direct gen 1.5 (Int.)

Multi-standard DC charger
for multiple EV types

60–120 kW DC Charging Station



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
- + Optional dynamic load sharing between outlets in 30 kW steps
- + Power configurations from 60 kW to 120 kW in 30kW 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 facilitate 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.

The trusted EV charging solution provider for industry leaders



Specifications



Power Output

DC Output Voltage Rating: 200 – 1,000 Vdc

Outlet 1: CCS-2 200 A or 250 A (cont.), GB/T 200 A or 250 A (cont.)

Outlet 2 (optional): CCS-2 200 A or 250 A (cont.), GB/T 200 A or 250 A (cont.), CHAdeMO 125 A

DC Power Class: FC 60, UFC 120

System Power Rating: 60 kW with 2* 30 kW modules; 90 kW with 3* 30 kW modules
120 kW with 4* 30 kW modules

Simultaneous EV charging qty.: 1 or 2

Mains Input

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): 93 A, 65 kVA for 60 kW; 140 A, 97 kVA for 90 kW;
186 A, 130 kVA for 120 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): 1,850 * 650 * 520 mm without cable management (2,005 mm height with cable management)

Weight: 60kW – 170 kg approx, 120 kW – 215 kg approx

Charging Cable Length: 5 meters, 7 meters optional

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

Material: Texture Finish Powder Coating SECC or Stainless Steel

Mounting: Free Standing (may be bolted to floor)

Cooling: Forced Air (variable speed)

Specifications



Configuration	<p>Software update: OTA (Over The Air)</p> <p>Control and Set up: OCPP v1.6j, local, Exicom MBE platform (password controlled)</p>
Environmental	<p>Operating Temperature: -30 °C to 75 °C (linear de-rating above 55 °C)</p> <p>Storage Temperature: -40 °C to 80 °C</p> <p>Altitude: 2,000 meters (de-rating above 2,000 meters)</p> <p>Humidity (Non-Condensing): 5 % to 95 %</p>
Standards / Certification	<p>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</p> <p>Other: ARAI (AIS 138 Part 2)</p> <p>Vehicle Communication: DIN 70121, ISO 15118, CHAdeMO v1.2, GB/T 27930, IEC61851</p>
Quality	<p>Mean Time Between Failure: >150,000 hours</p> <p>Mean Time To Repair: <1 hour on arrival at site</p> <p>Design Life: 10 years*</p> <p>Warranty: 2 years* (standard). Extension available</p>
Protection and Safety	<p>Surge Protection: Integrated - IEC 61000-4-5</p> <p>Over Current: DC output: 101A @ 300V per 30 kW module</p> <p>Under Voltage: AC Input: < 280 Vac phase to phase</p> <p>Over Voltage: AC Input: > 530 Vac phase to phase</p> <p>Over Temperature: Auto de-rated above 55 °C ambient</p> <p>Residual Current (Leakage): < 30 mA</p> <p>Over Voltage Category: III</p>
User Interface and Comms	<p>Display: Integrated - 10" capacitive touch screen TFT LCD</p> <p>Support Language: Multi-language</p> <p>Emergency Switch: Available (red mushroom push button)</p> <p>Charge Option / User Authentication: RFID, mobile app, OTP, QR Code</p> <p>Energy Metering: DC Included (EN50470-4 compliant option)</p> <p>Visual Indication (LED): Presence of Supply, State of Charging, Error</p> <p>RFID: MIFARE - ISO/IEC 14443A/B</p> <p>Connectivity: Internet access via Ethernet (RJ45)</p> <p>Modem (option): 4G LTE (EU)</p>

* Terms and Conditions apply

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harmony D 120 K 1K0 - 2 2 - 200 - 200 - 30a - G15120 - XX

1	Family Name:	Harmony	7	Max Gun Rating (A):	032 = 32A; 100 = 100A; 125 = 125A; 250 = 250A; 400 = 400A; BLANK = NONE
2	Type:	D = Harmony Direct	8	Module Type:	30a = 30kW (std)
3	Power Rating:	60 = 60 kW; 90 = 90 kW; 120 = 120 kW	9	Frame Size:	G15120 = Gen 1.5, 120kW cabinet
4	Fixed Text:	K = 'thousand'	10	XX:	Specific Variant - Consult Exicom
5	Output Voltage:	1K0 = 1,000 Vdc			
6	Connector config:	2 = CCS2; 3 = CHAdeMO; 4 = GB/T-12; 5 = GB/T-24; BLANK = NONE			

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Illustrations of the product and user interface are exemplary and may differ from the actual appearance.

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