

**Plug into
Tomorrow**



Technical Specification
30kW 1G/2G Wall-box
EV Charger

Exicom Harmony 30kW 1G Key Features,

- Part of the Harmony family - flexible power 30 kW, offering scalable solutions for charging infrastructure needs.
- Charging protocol for CCS2 – ISO/DIN, ensuring compatibility with most electric vehicles on the market.
- High efficiency >95% leading to low Total Cost of Ownership (TCO), reducing energy consumption and operating costs.
- Wide temperature working range (de-rating > 50 degree Celsius), making it suitable for use in a variety of climates and environments.
- Support for all types of EV's, Suitable for 200-1000 V battery voltage, providing a versatile charging solution for a range of electric vehicles.
- 80A max current per DC output, enabling fast charging for compatible electric vehicles.
- Support for OCPP 1.6 and its integration to required CMS, facilitating integration with back-end systems for centralized management and monitoring.
- Easily accessible 5m cables provide long reach & flexibility for charging station placement.
- 7" touch screen for user interface, allowing for easy navigation and a user-friendly experience for EV drivers.
- Easy and quick transportation and installation – Wall/Stand, enabling fast deployment and flexibility in installation options.
- Low footprint, which allows installation at existing sites, making it an ideal choice for retrofitting existing charging infrastructure.
- OTA software updates, ensuring the charging station is always up-to-date with the latest features and improvements.
- Decal as per customer design to enhance branding, allowing customization of the charging station to match a brand's identity.
- Digital tools for configuration, troubleshooting, providing an intuitive interface for configuring and maintaining the charging station.
- Digital maintenance with remote diagnostics, real-time analytics, enabling proactive maintenance and troubleshooting, reducing downtime and maintenance costs.



Rev01

Maximum Output Power Rating		30kW
Model	Model Number	HarmonyD030K1K0-2 HarmonyD030K1K0-22
	DC Output Voltage Rating	200 - 1,000 VDC
Output	Outlet Configuration	Single Gun / Dual Gun CCS-2
	Max Output Current	80A per gun
	DC Power Class	HPC 30 (30 kW / 80 A per gun)
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	~60 A, 34kVA @ 380 Vac
	Input Frequency (nominal)	50 / 60 Hz
	Input Frequency Range	45 - 65 Hz
	Conversion Efficiency	≥ 95% (peak)
	THD	< 5 % (Nominal Input & 50% ≤ load ≤ 100%)
	Power Factor	> 0.98 (Nominal Input & 50% ≤ load ≤ 100%)
	Leakage Current	< 30 mA
	Short Circuit Current Rating	25 kA
	Standby Power	< 15 W (@nom. Voltage)
	Backup battery	~30 Minutes (Only for controllers)
Protection and Safety	Surge Protection	Integrated - IEC 61000-4-5
	Over Current	DC output: 82A
	Under Voltage	AC Input: < 285 Vac phase to phase
	Over Voltage	AC Input: > 505 Vac phase to phase
	Over Temperature	Auto de-rated above 50 °C ambient, Cut-Off at 75°C
	Over Voltage Category	III
User Interface and Comms.	Display	7" TFT LCD touch screen
	Support Language	English
	Emergency Switch	Available (red mushroom push button)
	Charge Option / User Authentication	RFID, mobile app, OTP, QR Code
	Energy Metering	Included
	Visual Indication (LED)	Presence of Supply, State of Charging, Error

	RFID	MIFARE - ISO/IEC 14443A
	Connectivity	Internet access via Ethernet
	Modem	4G LTE
	Communication Protocol	OCPP v1.6j (JSON)
Configuration	Software update	OTA (Over The Air) via OCPP Server
	Control and Set up	OCPP v1.6j, local (passcode controlled)
Mechanical	Ingress Protection	IP 54 acc. IEC 60529
	Impact Resistance	IK10 acc. IEC 62262
	Dimension (H*W*D)	632* 610 * 282 mm (Without Stand)- Single Gun 722* 610 * 282 mm (Without Stand)- Dual Gun
	Charging Cable Length	5 meters, 7 meters optional
	Material	Texture Finish Powder Coating SECC
	Mounting	Stand(Floor) OR Wall
	Cooling	Forced Air (variable speed)
Environmental	Operating Temperature	-30 °C to 75 °C (linear de-rating above 50 °C)
	Storage Temperature	-40 °C to 80 °C
	Altitude	2,000 meters (de-rating above 2,000 meters)
	Humidity (Non-Condensing)	5 % to 95 %
Standards / Certification	Safety	Designed as per 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	ARAI certified
	Vehicle Communication	DIN 70121, ISO 15118, IEC61851
Quality	Mean Time Between Failure	>150,000 hours
	Mean Time To Repair	<1 hour on arrival at site
	Design Life	10 years*
	Warranty	1 years* (standard). Extension available