



7" TFT LCD touch screen

Plug into Tomorrow



Technical Specification
180kW
DC EV Chargers Gen 1.5



Exicom Harmony Range Key Features:

- Part of the Gen 1.5 Harmony family: - power output up to 180 kW
- Charging protocol for CCS2 – ISO/DIN, ensuring compatibility with most electric vehicles on the market.
- High efficiency >95% leading to low total cost of operation
- Wide temperature working range (de-rating > 55 degree Celsius)
- Support for all types of EV's – charging for up to 1000V battery
- Support for OCPP 1.6 and its integration to required CMS
- Easily accessible 6 m cables provide long reach.
- 10" touch screen for user interface
- Easy and quick transportation and installation
- Low footprint which allows installation at existing sites
- Decal as per customer design to enhance branding
- Digital tools for configuration, troubleshooting
- Digital maintenance with remote diagnostics, real time analytics



Rev01

PLUG INTO TOMORROW

Maximum Output Power Rating		180 kW (30kW power conversion modules)
Model		HARMONYD180K1K0-2 HARMONYD180K1K0-22
Power Output	DC Output Voltage Rating	200 - 1,000 Vdc
	Outlet 1	CCS-2 250A
	Outlet 2 (optional)	CCS-2 250 A
	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
	Input Frequency (nominal)	50 / 60 Hz
	Input Frequency Range	45 - 65 Hz
	Conversion Efficiency	≥ 95% (Load 50-100% at nominal input voltage)
	THD(i)	< 5 % (Load 50-100% at nominal input voltage)
	Power Factor	> 0.98 for load 50-100% at nominal input voltage
Protection and Safety	Over current, Under voltage, Over voltage, Residual current, Surge protection, Short circuit, Over temperature, Ground fault, Insulation fault, Emergency Stop	
User Interface and Communication	Display	10" 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 (for non-billing purposes)	Included
	Energy Metering (MID)	AC (input) MID meter optional
	Visual Indication (LED)	Presence of Supply, State of Charging, Error
	RFID	MIFARE - ISO/IEC 14443A
	Connectivity	Internet access via Ethernet (RJ45)
	Battery Backup	~30 mins (Controller units)
	Modem (option)	4G LTE (EU)
	Communication Protocol	OCPP v1.6j (JSON)
Configuration	Software update	OTA (Over The Air) via Exicom web portal
	Control and Set up	OCPP v1.6j, local (passcode controlled), Exicom web portal
Mechanical	Ingress Protection	IP 54 acc. IEC 60529
	Impact Resistance	IK10 acc. IEC 62262
	Dimension (H*W*D)	1,853 * 650 * 630 mm
	Weight	290 kg Approx. (without SMR) 390Kg Approx. (with SMR)
	Charging Cable Length	6 meters
	Material	Texture Finish Powder Coating SECC
	Mounting	Free Standing (may be bolted to floor)
	Cooling	Forced Air (variable speed)
	Operating Temperature	-30 °C to 75 °C (linear de-rating above 55 °C)
Environmental	Storage Temperature	-40 °C to 80 °C
	Altitude	2,000 meters (de-rating above 2,000 meters)
	Humidity (Non-Condensing)	5 % to 95 %
Cable management	Management mechanism for output gun cable	Spring based cable retractor system (additional)