Cord EVIRA Portable Professional EV Charger 5m & 10m – UK & EU

Technical Product Datasheet

Mode 3 Type 2 (10A → 32A)

For Electric Vehicles

Cord Power Technologies Ltd. 22 Gas Street, Birmingham. B1 2JT. United Kingdom. Company number: 14596911

Cord Power Technologies Ireland Ltd. Unit 12L Six Cross Roads Business Park, Kilbarry, Waterford X91 Y985. Ireland. Company number: 788993

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Cord EVIRA Range

CRDWPC05M07KW
CRDWPC10M07KW
7.4kW - 1 Phase 32A CEE

CRDWPC05M11KW
CRDWPC10M11KW
11kW - 3 Phase 16A CEE

CRDWPC05M22KW
CRDWPC10M22KW
22kW - 3 Phase 32A CEE

CRDWPC05M22KW-MULTI(-EU)
CRDWPC10M22KW-MULTI(-EU)
2.3kW - 1 Phase 10A 3-Pin or
3.7kW – 1 phase 16A Schuko (EU)
7.4kW - 1 Phase 32A CEE
11kW - 3 Phase 16A CEE
22kW - 3 Phase 32A CEE

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Safety & Technical Specifications

Item	Model	CRDWPC05M07KW CRDWPC10M07KW	CRDWPC05M11KW CRDWPC10M11KW	CRDWPC05M22KW CRDWPC10M22KW	CRDWPC10M22KW-MULTI(-EU) CRDWPC10M22KW-MULTI(-EU)
Input	Power wiring	CEE32(1P)	CEE16(3P)	CEE32(3P)	UK/EU; CEE32(1P); CEE16(3P); CEE32(3P)
	Power supply	1 phase (1P+N+PE)	3 phase (3P+N+PE)	3 phase (3P+N+PE)	1/3 phase (1/3P+N+PE)
	Rated voltage	220-240V AC	380-400V AC	380-400V AC	220-240V/380-400V AC
	Rated current	32A	16A	32A	32A
	Power frequency	50/60Hz	50/60Hz	50/60Hz	50/60Hz
Output	Rated voltage	220-240V AC	380-400V AC	380-400V AC	220-240V/380-400V AC
	Rated current	32A	16A	32A	32A
	Rated power	7.4kW	11kW	22kW	22kW
	Cable specification	3x6mm²+1x0.5mm²	5x2.5mm²+1x0.5mm²	5x6mm²+1x0.5mm²	5x6mm²+1x0.5mm²
	Cable length	5m or 10m	5m or 10m	5m or 10m	5m or 10m
	Cable material	TPU sheath	TPU sheath	TPU sheath	TPU sheath
	Charging outlet	Type 2	Type 2	Type 2	Type 2
User Interface	RGB LED light	Yes	Yes	Yes	Yes
	LCD screen	Yes	Yes	Yes	Yes
	Multifunction button	Yes	Yes	Yes	Yes
	Supported function	Current selection, Delay timer, Charging power set, Max current detection for MULTI adaptors			
Safety	Protection level	IP65 for control box			
	Impact Rating	IK10			
	Crush Resistance	2,500kg / 2.5 tonne			
	RCD	6mA DC+30mA AC	6mA DC+30mA AC	6mA DC+30mA AC	6mA DC+30mA AC
	Electricity protection	Over current protection Leakage protection Over temperature protection, Surge protection Over or under voltage protection Ground protection, Cp Diode Short Circuit Relay Adhesion			
Mechanical data	Working temperature	-25°C to 45°C			
	Working humidity	5% ~ 95% no condensation			
	Working altitude	<2000m			
	Mating cycles	plug in/pull out >10,000 times			
	Control box dimension	298x105x64 mm			
	Control box material	PC UL94-V0 for indoor/outdoor			
	Weight	4.4kg or 5.9kg	4.5kg or 5.5kg	5kg or 7.5kg	8kg or 10.5kg
Certification	Safety standard	EN 62752, EN IEC 61000-6-1, EN IEC 61000-6-3, EN IEC 61851-21-2			
	Certificate	UKCA, CB, CE, Chemical			
Warranty	Warranty	2 years			
Supported power system		TN-C, TN-S, TN-C-S			

EVIRA Multi-Power Extension Cable & Adaptor Plugs

CRDWPCEXTCBL-10M
10 Metre Extension Cable
***only for use with Multi-Power version**

UK 3-Pin Plug Adaptor
***only for use with Multi-Power version**

European Schuko Plug Adaptor
***only for use with Multi-Power version**

7.4kW 32A 1 Phase CEE Adaptor
***only for use with Multi-Power version**

11kW 16A 3 Phase CEE Adaptor
***only for use with Multi-Power version**

22kW 32A 3 Phase CEE Adaptor
***only for use with Multi-Power version**

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Safety Features

Our EVIRA EV chargers are designed with multiple layers of protection to ensure safe, reliable, and compliant operation in all environments. Below is a detailed explanation of the built-in safety features, including both AC and DC leakage protection.

Overcurrent Protection - Prevents damage to the charger, vehicle, or wiring if the electrical current exceeds the safe rated limit. Triggered by faults in the charger, vehicle onboard charger, or sudden short circuits. Uses circuit breakers or fuses to disconnect power quickly, avoiding overheating, component failure, or fire risk.

Leakage Protection AC (30 mA) - Detects alternating current (AC) leakage to earth, which may be caused by damaged cables, water ingress, or insulation faults. Trips when leakage exceeds 30 mA, shutting down power within milliseconds to protect users from electric shock. Operates continuously during charging.

Leakage Protection DC (6 mA) - Specifically designed for EV applications to detect smooth DC fault currents that can be generated by vehicle onboard chargers. A DC fault above 6 mA can blind standard AC RCDs, making them ineffective. This protection ensures such faults are detected early and power is disconnected to maintain full safety.

Overtemperature Protection - Monitors internal temperatures at multiple critical points including power electronics, sockets, control box, and plugs. If overheating is detected due to prolonged high current, poor ventilation, or faulty connections, charging is paused or stopped until the unit cools. The EVIRA has unique TRIPLE-PROTECTION, by including sensors across the sockets, control box, and plugs, EVIRA ensures ultra-safe operation with maximum protection against overheating risks.

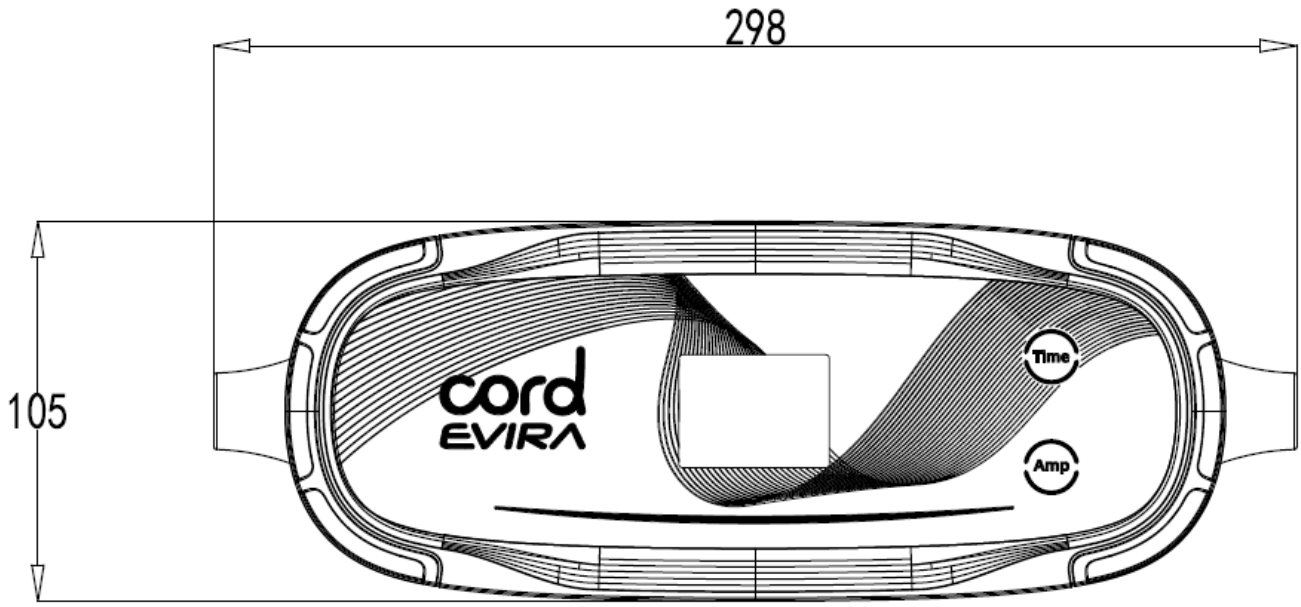
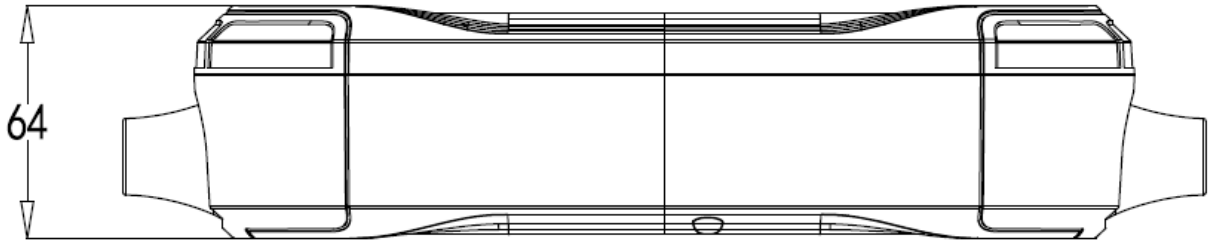
Surge Protection - Protects the charger and vehicle from sudden voltage spikes caused by lightning strikes, grid switching, or large nearby electrical loads. Surge protection devices (SPDs) divert or absorb excess voltage before it reaches sensitive electronics.

Over or Under Voltage Protection - Ensures charging only occurs when the mains voltage is within a safe operating range. If voltage is too high or too low, it may damage components; too low can also cause overheating due to excess current draw. Stops charging if voltage is outside preset limits.

Ground Protection - Verifies that the charger is properly earthed before and during charging. A poor or missing earth increases electric shock risk and can impair leakage protection. Charging is prevented if grounding is unsafe.

CP (Control Pilot) Diode Short Circuit Detection - The Control Pilot signal manages communication between charger and vehicle. A diode short circuit fault in this circuit could lead to unsafe charging. This protection stops charging immediately if such a fault is detected.

Relay Adhesion Detection - High-current relays (contactors) control power delivery to the vehicle. If a relay becomes stuck in the 'on' position, power may still flow when charging should be off. This system regularly tests relay operation and isolates power if a fault is found.

Electrical Saftey - The Cord EVIRA portable charger must only be connected to a socket-outlet or supply point that has been installed, tested, and certified in accordance with the applicable wiring regulations: BS 7671:2018 (IET Wiring Regulations, as amended) in the United Kingdom, or the relevant national wiring rules implementing HD 60364 / IEC 60364 (Requirements for Electrical Installations) in other countries. This includes the specific provisions for electric vehicle charging. It is the user's responsibility to ensure that any supply used for EV charging — whether at home, workplace, or other premises — is compliant and maintained by a qualified electrician. Cord EV accepts no liability for damage, non-performance, or safety risks arising from connection to non-compliant or unsafe electrical installations.

Dimensions