

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

## Technical Product Datasheet



**Mode 3 Type 2 (10A → 32A)**  
**For Electric Vehicles**

## 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

## Safety & Technical Specifications

| Item                   | Model                  | CRDWPC05M07KW<br>CRDWPC10M07KW                                                                                                                                                                          | CRDWPC05M11KW<br>CRDWPC10M11KW             | CRDWPC05M22KW<br>CRDWPC10M22KW           | CRDWPC10M22KW-MULTI(-EU)<br>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    | 3x6mm <sup>2</sup> +1x0.5mm <sup>2</sup>                                                                                                                                                                | 5x2.5mm <sup>2</sup> +1x0.5mm <sup>2</sup> | 5x6mm <sup>2</sup> +1x0.5mm <sup>2</sup> | 5x6mm <sup>2</sup> +1x0.5mm <sup>2</sup>             |
|                        | 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<br>Leakage protection<br>Over temperature protection,<br>Surge protection<br>Over or under voltage protection<br>Ground protection,<br>Cp Diode Short Circuit<br>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  | 210x87x56 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



## 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 Safety** - 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.

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## Dimensions

