



EO MINI PRO 3

DESIGNED AND MANUFACTURED  
IN THE UNITED KINGDOM.



## EO MINI PRO 3

Impossibly small.  
Impressively smart.

## FEATURES

- + Connection type: Universal Type 2 socket, Type 1 and Type 2 tethered cable (5m)
- + Power ratings: Single-phase up to 7.2kW (Type 2 & Type 1), three-phase up to 22kW (Type 2 only)
- + Built-in PME: No need for earth rods with built in open PEN conductor protection (single-phase only)
- + Solar charging: Charge your car with our solar matching or net-zero technologies (optional extra, using an additional CT clamp)<sup>1</sup>
- + Connectivity: Wi-Fi, Cat 5 Ethernet, Bluetooth as standard, 4G cellular<sup>1</sup> as optional extra
- + Integrated RFID reader & EO branded RFID tags available (optional)<sup>1</sup>

## INSTALLATION

- + Simple electrical installation
- + Integral 6mA DC leakage detection, no Type B RCD required
- + Adjustable maximum charging current for lower rated supplies
- + TN & IT grid connections

## INTELLIGENCE

- + OCPP 1.6J: Back-office agnostic, ready for open OCPP integration and additional security extensions
- + Built-in power balancing with OCPP or locally via CT clamp
- + ISO15118 ready for vehicle-to-grid (V2G) and plug & charge functionality<sup>1</sup>
- + EO Hub 2: Connect an unlimited number of chargers to the EO Hub 2<sup>1</sup> for small commercial installations and additional load management
- + Smartphone app controlled: Energy usage monitoring and charging sessions management using our iOS and Android smartphone app

<sup>1</sup>Feature not available with V1 product. V2 coming soon.

|                         |  |   |
|-------------------------|--|---|
| <b>MODEL ORDER CODE</b> | EM301-PME-DCL  | EM303-PME-DCL   |
| <b>DESCRIPTION</b>      | EO Mini Pro 3<br>Single-phase charger - locking socket | EO Mini Pro 3<br>Three-phase charger - locking socket |

| <b>ELECTRICAL DATA</b>    |  |   |
|---------------------------|--|---|
| RATED POWER               | Up to 7.2kW  | Up to 22kW  |
| CHARGING CURRENT          | 6A to 32A (variable)   | 6A to 32A (variable)  |
| RATED CURRENT             | Up to 32A max  | Up to 32A max   |
| NOMINAL SUPPLY            | 230VAC 50Hz  | 400VAC 50Hz   |
| SUPPLY CONNECTIONS        | TN: L1, N, PE 0.2 - 16mm <sup>2</sup> IT: L1, N  | TN: L1, L2, L3, N, PE 0.2- 16mm <sup>2</sup> IT: L1, L2, L3, PE |
| OVER CURRENT CONNECTION   | 40A supply   | 40A supply  |
| EARTH LEAKAGE PROTECTION  | A dedicated 30mA Type A RCD must be used on the supply circuit. Integral 6mA DC leakage detection - no Type B RCD required. Integral PEN protection - no earth rod or RCBO/consumer unit required (7.2kW only) |   |
| STANDBY POWER CONSUMPTION | <3W  |   |
| STATUS INDICATION         | 3 colour LED indicator (green, blue, red)  |   |
| CHARGING MODE             | Mode 3 (IEC 61851-1 compliant communication protocol)  |   |
| SOCKET                    | IEC 62196 Type 2, IP54 hinged lid, locking pin   |   |
| SUPPLY CABLE ENTRY        | Ø25mm modifiable cable entry (Ø10mm - Ø22mm PVC stepped grommet included)  |   |

| <b>MECHANICAL DATA</b>           |  |
|----------------------------------|--|
| DIMENSIONS (H x W x D)           | 215mm x 140mm x 100mm  |
| UNIT WEIGHT                      | 3 kg (socketed), 4.5 kg (tethered, with cable)   |
| MOUNTING LOCATION                | Wall or post mounted, indoor or outdoor (post mounting requires additional backplate, available as an extra) |
| AMBIENT TEMPERATURE              | -30°C to +55°C   |
| INTERNAL ELECTRONICS TEMPERATURE | -25°C to +70°C   |
| OPERATING HUMIDITY               | 5 to 95% relative humidity   |
| ENCLOSURE                        | PC UV stabilized (UL94 V-0 fire rated)   |
| PROTECTION                       | IP66 / IP54  |
| IMPACT RATING                    | IK08   |
| STANDARD FINISH                  | Black (RAL9005), removable fascia  |
| OPTIONAL FINISH                  | Co-branding options available, subject to MOQs   |

| <b>COMMUNICATIONS</b>   |
|---|
| U.FI external antennae ports for Wi-Fi, BTE & 4G cellular <sup>1</sup><br>10/100Mbit RJ45 Ethernet <sup>1</sup> |

| <b>COMPLIANCE (PENDING)</b>   |
|---|
| OZEV EVHS & WCS grants approved (pending)<br>DEKRA Certified & BSI Kitemark (pending)<br>CE + UKCA Marked, EMC Directive 2014/30/EU, Radio Equipment Directive, IEC 61851-1, IEC 61851-22, IEC 62196-2<br>EN 301-489 RFID - ISO/IEC 14443 (MIFARE). ETSI EN 303 645 cybersecurity |

| <b>OPTIONS</b>   |
|--|
| 4G cellular (GPRS, NB-IoT/2G) <sup>1</sup><br>RFID card reader<br>Tethered Type 1/Type 2 cable (5m)<br>Additional backplate for post mounting<br>Cloud-based static load management using OCPP via smart charging profiles<br>Local automatic load management (using an additional CT clamp)<br>EO Hub 2 for local automatic load management of multiple charging stations <sup>1</sup><br>ISO15118 for vehicle-to-grid (V2G) and plug & charge functionality <sup>1</sup><br>Solar charging (using an additional CT clamp) <sup>1</sup><br>Co-branding options available, subject to MOQs |

<sup>1</sup>Feature not available with V1 product. V2 coming soon.

Designed to permit installations compliant with IET Wiring Regulations BS 7671:2018+A1:2020 and the Electricity Safety, Quality, and Continuity Regulations 2002 and BS 8300:2009+A1:2010. In no event will EO Charging accept any liability for any loss, costs or damage consequential on the use and/or misuse of our hardware or software products except and only to the extent that this is caused by our negligence.