



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 Single-phase charger - locking socket	EO Mini Pro 3 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> 10/100Mbit RJ45 Ethernet <sup>1</sup>

<b>COMPLIANCE (PENDING)</b>
OZEV EVHS & WCS grants approved (pending) DEKRA Certified & BSI Kitemark (pending) CE + UKCA Marked, EMC Directive 2014/30/EU, Radio Equipment Directive, IEC 61851-1, IEC 61851-22, IEC 62196-2 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> RFID card reader Tethered Type 1/Type 2 cable (5m) Additional backplate for post mounting Cloud-based static load management using OCPP via smart charging profiles Local automatic load management (using an additional CT clamp) EO Hub 2 for local automatic load management of multiple charging stations <sup>1</sup> ISO15118 for vehicle-to-grid (V2G) and plug & charge functionality <sup>1</sup> Solar charging (using an additional CT clamp) <sup>1</sup> 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.