



EO GENIUS 2

DESIGNED AND MANUFACTURED  
IN THE UNITED KINGDOM.



## EO GENIUS 2

The charger that makes  
switching to electric a  
business advantage.

## FEATURES

- + Connection type: Universal Type 2 socket and Type 2 tethered cable
- + Power ratings: Single-phase up to 7.2kW, three-phase up to 22kW
- + Solar charging: Charge your vehicles with solar energy using 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
- + MID meter as standard, with optional NMI meter or Eichrecht meter<sup>1</sup>
- + Integrated RFID reader & EO branded RFID tags available

## INSTALLATION

- + Simple electrical installation
- + Integral 6mA DC leakage detection, no Type B RCD required
- + Adjustable maximum charging current for lower rated supplies
- + TN & IT<sup>1</sup> grid connections

## INTELLIGENCE

- + OCPP 1.6J: Back-office agnostic, ready for open OCPP integration and additional security extensions
- + Dynamic load management: Cloud-based static load management via smart charging profiles or local automatic load management with an external CT clamp or with the EO Hub 2<sup>1</sup> for multiple charge point management
- + EO Hub 2: Connect an unlimited number of chargers to the EO Hub 2<sup>1</sup> for additional load management smart charging functionality
- + ISO15118 for vehicle-to-grid (V2G) and plug & charge functionality<sup>1</sup>

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

<b>MODEL ORDER CODE</b>	EG201-PME-DCL	EG203-PME-DCL
<b>DESCRIPTION</b>	EO Genius 32A Single-phase charger - locking socket	EO Genius 32A 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 - 10mm <sup>2</sup> IT: L1, N	TN: L1, L2, L3, N, PE 0.2- 10mm <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	
STANDBY POWER CONSUMPTION	<3W	
STATUS INDICATION	Full spectrum LED indicator (variations of red, green, blue)	
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)	330mm x 220mm x 130mm
UNIT WEIGHT	<4kg (socketed), <7kg (tethered)
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 +50°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>
Up to 3 CT clamps for load management <sup>1</sup> U.FI external antennae ports for Wi-Fi, BTE & 4G cellular <sup>1</sup> 10/100Mbit RJ45 Ethernet <sup>1</sup>

<b>COMPLIANCE</b>
OZEV EVHS & WCS grants approved 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> MID/Eichrecht/NMI meters Tethered Type 2 cable 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 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.