

# EO Genius



Modular, scalable and future proof smart charger for electric vehicles. Designed for fleets, workplaces, apartments and destinations.

Add the EO Hub to unlock all our smart charging options and get access to the EO Cloud platform.

#### Installation & Warranty

- + Unique wall plate connector for quick deployment and future upgrade.
- + 3-year product warranty with options to extend.

#### Features

- + Mennekes branded locking Type 2 universal socket as standard.
- + Power Ratings: Single Phase up to 7.2kW // Three phase up to 22kW.
- + Wall or post mounted with EO Post.
- + RFID.
- + Available in two colours: Black & White.

#### Intelligence

- + Add EO Hub to enable communications with EO Cloud back-office.
- + Static, dynamic & scheduled active load management via EO Cloud.
- + EO App smartphone integration via EO Cloud.

MODEL ORDER CODE	EG002	EG004
Description	EO Genius 32A 1-Phase Charger - Locking Socket	EO Genius 32A 3-Phase Charger - Locking Socket

ELECTRICAL DATA		
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	L1, N, PE 2.5 - 10mm <sup>2</sup>	L1, L2, L3, N, PE 2.5 - 10mm <sup>2</sup>
Over Current Protection	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	
Standby Power Consumption	<3W	
Status Indication	3 colour LED indicator (green, blue, red)	
Charging Mode	Mode 3 (IEC 61851-1 / SAE J1772 compliant communication protocol)	
Socket	Mennekes branded IEC 62196 Type 2, IP54 hinged lid, locking pin Manual override pin release key	
Supply Cable Entry	Ø20mm or Ø25mm hole drilled at site into wall plate connector	

MECHANICAL DATA	
Dimensions (H x W x D)	360mm x 165mm x 155mm
Unit Weight	<3 kg
Mounting Location	Wall or Post mounted using wall plate, Indoor or Outdoor (permanent mounting)
Ambient Temperature	-30°C to +50°C
Internal Electronics Temperature	-25°C to +85°C
Operating Humidity	5 to 95%
Enclosure	PC / ABS UV stabilised (UL94 HB Fire Rated)
Protection	IP66 / IP54
Impact Rating	IK08
Standard Finish	Natural White (RAL9016), Black available as an option (RAL9005)

COMMUNICATIONS
Each EO Genius has a 3m RS485 flying lead pre-fitted. RS485 connectivity for communications with EO Hub for EO Cloud access. EO Hub requires active internet connection & firewall configuration for EO Cloud.

COMPLIANCE
OLEV EVHS & WCS Approved CE Marked, EMC Directive 2014/30/EU, IEC 61851-1, IEC 61851-22, IEC 62196-2, EN 301-489 RFID - ISO/IEC 14443 (MIFARE)

OPTIONS
Static, dynamic & scheduled active load management when installed with EO Hub and current transformers. For post mounting refer to EO Post datasheet. Unbranded, non-locking standard Type 2 socket available upon request. RFID Card Reader.

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.

# EO Cloud & EO App

EO Cloud and EO App give fleet managers and business owners full control of their charging infrastructure and electric vehicle fleet.

## Key features include:

- + **Site load management:** control the power rate of your chargers, utilising as much of the sites energy supply as possible every second.
- + **Monitor live charging activity:** check the status of your charging stations at each depot with ease.
- + **Reporting:** generate a comprehensive report of all charging sessions at the click of a button.
- + **Link home & work charging:** connect employee's chargers at home to chargers at the workplace for quick reimbursement & record benefit-in-kind tax.
- + **Remote diagnostics:** run remote diagnostics and fault resolution from your EO Cloud account.
- + **Smartphone controlled:** EO App allows drivers to start or stop their charge and carefully monitor the amount they've spent.



Learn more about the EO Cloud:  
[www.eocharging.com/eo-cloud](http://www.eocharging.com/eo-cloud)