

EO Genius

A modular, scalable and future proof smart-charging station; designed for fleets, apartments and destinations. Just add the eoHub to unlock all the software functionality of the EO Cloud platform and EO App.



Installation & Warranty

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

Flexibility

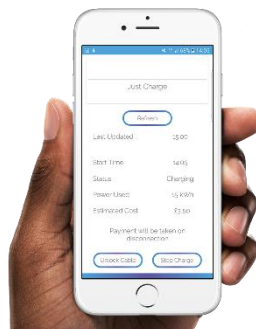
- Mennekes branded locking Type 2 universal socket as standard
- Power Ratings: Single Phase up to 7.2kW // Three phase up to 22kW
- Wall or post mounted with eoPost
- RFID

Intelligence

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



EO Hub



EO App



EO Post



EO Genius Charging Station

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	32A max.	32A max.
Nominal Supply	230VAC 50Hz	400VAC 50Hz
Supply Connections	L1, N, PE 2.5 - 10mm ²	L1, L2, L3, N, PE 2.5 - 10mm ²
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 EO logo 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	<3kg	
Mounting Location	Wall or Post Mounted using wall plate, Indoor or Outdoor (permanent mounting).	
Ambient Temperature	-30°C to +50°C	
Operating Humidity	5 to 95%	
Enclosure	PC / ABS UV stabilised (UL94 HB Fire Rated).	
Protection (Enclosure / Socket)	IP66 / IP54	
Standard Finish	Natural White (RAL9016).	
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 eoHub and current transformers. For post mounting refer to eoPost datasheet. Unbranded, non-locking standard Type 2 socket available upon request. RFID Card Reader		

Designed to permit installations compliant with IET Wiring Regulations BS 7671:2008+A3 2015 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.

Warranty terms can be found at www.eocharging.com/s/EO-Warranty.pdf

©2019 EO Charging. All rights reserved. Designed and Manufactured in the United Kingdom.

Issue May-2019

