

eoGenius

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 eoCloud platform and eoApp.



Installation & Warranty

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

Flexibility

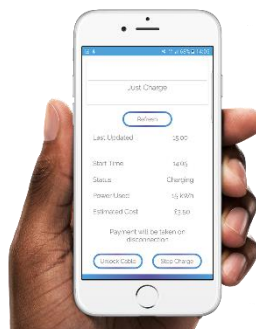
- Mennekes branded locking Type 2 universal socket as standard
- Power Ratings: Single Phase up to 7.2kW // Three phase up to 22kW
- Wall or post mounted with eoPost

Intelligence

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



eoHub



eoApp



eoPost



eoGenius Charging Station

MODEL ORDER CODE	EG001	EG002	EG003	EG004
Description	eoGenius 16A 1-Phase Charger - Locking Socket	eoGenius 32A 1-Phase Charger - Locking Socket	eoGenius 16A 3-Phase Charger - Locking Socket	eoGenius 32A 3-Phase Charger - Locking Socket
ELECTRICAL DATA				
Rated Power	3.6kW	7.2kW	11kW	22kW
Charging Current	6A to 16A (variable)	6A to 32A (variable)	6A to 16A (variable)	6A to 32A (variable)
Rated Current	16A max.	32A max.	16A 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	20A Supply	40A Supply	20A Supply	40A Supply
Earth Leakage Protection	A dedicated 30mA Type A RCD must be used on the supply circuit. Where there is risk of DC leakage from vehicle a Type B or Type EV RCD must be used.			
Thermal Protection	Output limited if unit temperature is > 85°C			
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 eoGenius has a 3m RS485 flying lead pre-fitted. RS485 connectivity for communications with eoHub for eoCloud access. eoHub requires active internet connection & firewall configuration for eoCloud.				
COMPLIANCE				
OLEV EVHS & WCS Approved CE Marked, EMC Directive 2014/30/EU, IEC 61851-1, IEC 61851-22, IEC 62196-2				
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.				

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

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