

eoBasic

A basic slow and fast charging station designed for homes, workplaces and destinations. Just plug in and instantly start a charge.



Installation & Warranty

- Unique wall plate connector for quick deployment and future upgrade

Flexibility

- Three connector options: Universal socket // Type 1 tethered // Type 2 tethered
- Power Ratings: Single Phase up to 7.2kW // Three phase up to 22kW
- Wall or post mounted with eoPost



Type 1 Tethered
Option



Type 2 Tethered
Option



eoPost



eoBasic Charging Station

| MODEL ORDER CODE | EG009 | EG010 | E0003 | E0004 |
|--|---|---|---|---|
| Description | eoBasic 16A 1-Phase Charger Standard Socket | eoBasic 32A 1-Phase Charger Standard Socket | eoBasic 16A 3-Phase Charger Standard Socket | eoBasic 32A 3-Phase Charger Standard 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 | IEC 62196 Type 2, IP54 hinged lid, non-locking | | | |
| 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 (socket/tethered) | <3kg / <5kg | | | |
| 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) | | | |
| COMPLIANCE | | | | |
| CE Marked, EMC Directive 2014/30/EU, IEC 61851-1, IEC 61851-22, IEC 62196-2 | | | | |
| OPTIONS | | | | |
| Tethered Type 1 plug connector, 5m cable | add "-T1" to order code, 1-phase only | | 3-phase: IEC 62196 Type 2 socket only | |
| Tethered Type 2 plug connector, 5m cable | add "-T2" to order code, 1-phase only | | 3-phase: IEC 62196 Type 2 socket only | |
| Other | Key lock option available upon request (can be fitted to standard socket units only to prevent charging a car when switched to off position). For post mounting refer to eoPost datasheet. Mennekes branded, locking pin socket available upon request. | | | |

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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Your eoCharger should be installed by a qualified electrician

In accordance with the IET Code of Practice for Electric Vehicle Charging Equipment Installation and local regulations



Remove the charger and base plate from the packaging



Unscrew the locking plate from the base plate using the tool provided

Offer up the base plate. Level the base plate against the wall (or EO Stainless Steel Post). Fix the base plate to the wall/post using the 4mm holes.





Unscrew the cover on the benector.



Using a hole cutter, cut a hole into the benector the correct size for the gland.



Fit the correct sized gland for your power cable.



Unscrew the 6 screws (10 screws if installing a 3-phase unit), feed the cable through the gland and secure. Prepare the ends with ferrules.

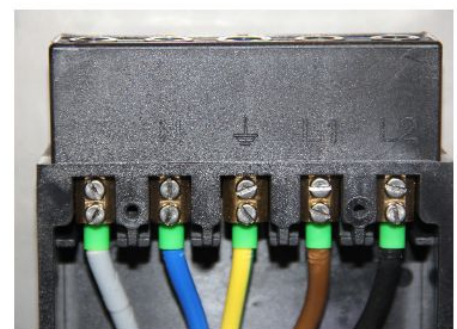


Single Phase

Connect the power cables to the pins as shown

Single Phase - connect neutral, earth and L1

3-Phase - in addition connect L2 and L3



3-Phase



Replace the cover



Offer up the charger to the base plate. (If installing an eoGenius ensure that the data cable does not get trapped).



An additional screw is provided should you need another earth connection.



Replace the locking plate and screws to secure the unit. Power up the unit and test.

If installing an eoGenius connect the data cable to the eoHUB and test.

The installer should design the electrical install and select the RCD and earthing configuration in accordance with the IET Code of Practice for Electric Vehicle Charging Equipment Installation and local regulations

To ensure seamless charging with all vehicle types:

- Each charge-station requires a dedicated final circuit
- Each charge-station requires a dedicated RCD (Type-A minimum), observing local codes
- Unless employing load management (applicable to eoGENIUS only), distribution boards should be rated for the full load, without diversity
- 3.6kW/11kW charge-stations require a 20A supply circuit
- For 7.2kW/22kW charge-stations require a 40A supply circuit
- If employing an earth electrode as means of earthing the electrode impedance (R_a) should be less than 150Ω