# eoMini

The smallest and simplest fast charging station on the market; designed to charge all available EV's.

Installation & Warranty

- Simple electrical installation

Flexibility

- Smallest on the market at 175mm x 125mm x 95mm
- Universal Type 2 socket as standard
- Power Ratings:  Single Phase 3.6kW or 7.2kW options available

To learn more about EO Charging, visit www.eocharging.com

# eoMini Charging Station

| MODEL ORDER CODE | EM001 | EM002 |
|---|---|---|
| Description | eoMini 16A 1-Phase Charger - Standard Socket | eoMini 32A 1-Phase Charger - Standard Socket |
| ELECTRICAL DATA | | |
| Rated Power | 3.6kW | 7.2kW |
| Charging Current | 6A to 16A (variable) | 6A to 32A (variable) |
| Rated Current | 16A max. | 32A max. |
| Nominal Supply | 230VAC 50Hz | |
| Supply Connections | L1, N, PE 2.5 - 10mm2 | |
| Over Current Protection | 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 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 through bottom of enclosure | |
| MECHANICAL DATA | | |
| Dimensions (H x W x D) | 175mm x 125mm x 95mm | |
| Unit Weight | <1.5kg | |
| Mounting Location | Wall Mounted, Indoor or Outdoor (permanent mounting). | |
| Ambient Temperature | -10˚C to +50˚C | |
| Operating Humidity | 5 to 95% | |
| Enclosure | ABS (UL94 HB Fire Rated), IK08 | |
| Protection (Enclosure / Socket) | IP66 / IP54 | |
| Standard Finish | Glasuirt 68 Line Paint, Silver (RAL 9006) | |
| COMPLIANCE | | |
| | CE Marked, EMC Directive 2014/30/EU, IEC 61851-1, IEC 61851-22, IEC 62196-2 | |
| OPTIONS | | |
| | Alternative colours, logos and branding available upon request (minimum order quantities apply). | |

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



Issue Mar-2018

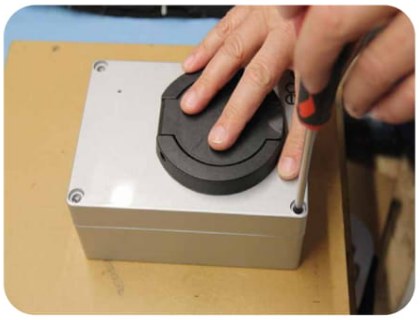
CHARGING

## Your eoMini MUST 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 eoMINI from the packaging

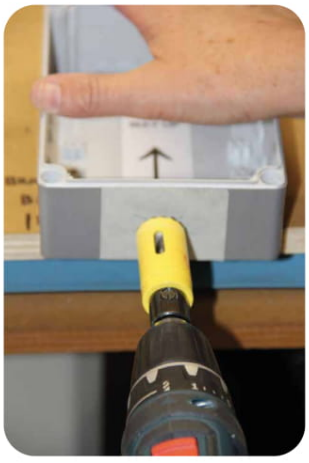
Undo the 4 screws in the corners and place the front of the eoMINI in a safe place




Offer the back of the eoMINI up to the installation location; make sure the surface is flat and level. Level the eoMINI back and mark the position of the 4 holes

Take the eoMINI back away and drill the four holes. Do NOT drill through eoMINI back or back screw holes. We suggest using a 6mm masonry drill bit if affixing to brickwork etc

Cut the correct size hole in the bottom of the eoMINI back to take the cable gland



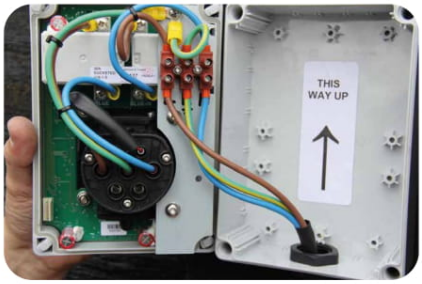
Fit the cable gland

Clean out the eoMINI for dust

Fit the eoMINI back to the wall the correct way up; make sure the eoMINI back is not twisted

Strip and prepare your power cable

Feed the power cable through the cable gland in the eoMINI back


Offer up the eoMINI front section and connect the power cables as shown

Position all cables so that you can close the eoMINI front to the eoMINI back, making sure that no cables are trapped

Secure the eoMINI front to the eoMINI back. Do NOT over tighten the screws

Place the 4 bungs back into the screw holes

Power up and test the eoMINI

The installer should select the RCD and earthing configuration in accordance with the IET Code of Practice and local regulations

REMEMBER, if installing under OLEV EVHS, you MUST install TYPE A RCD
We recommend minimum 20amp on 16amp charger and 40amp on 32amp charger

Visit www.eocharging.com for more information

May 2017