





EV Charger Mode 3

Description

The eVolo electric vehicle charge points provide AC Mode 3 charging to vehicles and operates via a smart phone APP. For use at domestic properties.

Features

- Charge point control, scheduling and energy usage monitoring via APP
- Commissioned using a mobile device which is Bluetooth enabled and a mobile data connection, e.g. 4G.
- LED indicators
- PEN fault detection and isolation
- Connected product (as required by the Smart Charge Point Regs.) via ethernet or Wi-Fi connectivity
- RS485 connectivity for load management
- Charge APP needs to be downloaded to register the product so that end user can restrict use and authorize
- Easy to install: the mounting base plate has mains wiring terminals and has rear, top and bottom drill out cable entry points; the charge point attaches to the base
- Suitable for wall or post mounting
- 7.4kW charging power (max. 32A)
- Firmware updates OTA, once the product is registered
- RFID ready feature can be enabled via eVolo website
- 2-Years extendable to 3-years upon registration at eVolo.uk

Compliance

- IEC 61851-1:2019 EVSE mode 3
- IEC 62955
- EMC Regulations 2016
- ROHS Regulations 2012
- RED 2014/53/EU
- UK Electric Vehicles (Smart Charge Points) Regulations 2021
- Installation to be in accordance with BS7671

Communications

- Wi-Fi 2.4GHz network
- Ethernet RJ45
- Bluetooth for commissioning via APP
- Remote management via cloud
- OCPP 1.6J

Range 7.4kW

7.4kW Mode 3 EV Charger (eDock) EVC7001

Technical Specification

Charging

Type 2 connector ✓
Cable lock via APP ✓
Multi-colour LED indicators ✓

Scheduled charging ✓ via APP

Electrical

Voltage 220V - 240V AC 50Hz single

phase

Earthing Arrangements TN-C-S or TT

Load Management Maximum charging current

can be set via the APP

Cable Size 10mm² max.

Built-in RCD 30mA (AC), 6mA (DC)

Built-in PEN fault detection ✓
Built-in metering ±2%

Surge protection: level III lightning

protection, 4000 V

(recommended to fit Type 2 SPD in the consumer unit)

Isolation Class II

Physical

Size (w x h x d) 202 x 202 x 115mm approx.

Weight 2.5kg approx.
Cover colour Anthracite Grey

Ingress protection IP54
Impact protection IK10

Flammability rating IEC 60695-1-10 UL94 5VB

or V0

UV resistant

Ambient Operating -30°C to +50°C

temperature