EV Charger Mode 3

Description

The Deta.e 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 authorise access
- 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 Deta.e website
- 2-Years extendable to 3-years upon registration at deta-e.co.uk, subject to the Deta.e Warranty Terms of Business

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 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	10mm^2 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 temperature	-30°C to +50°C