



EV Charger Mode 3

Description

Electric vehicle charge point is aimed at the communal residential applications, workplace or retail park car parks, with it being fed from a landlords power supply

APP accounts can be set up for controlling the charger

Features

- Can be installed for 7.4kW single phase or 22kW three phase EV charging
- Built in MID approved energy meter for billing customers
- Ethernet, Wi-Fi and 4G connectivity
- Includes RS485 for load management and Bluetooth for commissioning (when an internet connection is not available)
- OCPP 1.6 compliant with many server providers preconfigured within the APP; custom servers can be set up using the Config APP
- Load management can be configured too suit the supply available and demand required
- Firmware updates OTA, once the product is registered
- Charging times and off-peak charging can be scheduled via the App
- Suitable for wall or post mounting
- 5-years Warranty

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

Communications

- Ethernet RJ45
- Wi-Fi 2.4GHz network
- 4G Data SIM (SIM card not included)
- RS485
- Bluetooth for commissioning via APP
- Remote management via cloud
- OCPP 1.6J

Range

7.4kW/22kW Mode 3 EV Charger with EVC7005 RFID cards (eVoomXT)

Technical Specification

Charging

Type 2 connector	✓
Permanent cable lock	✓
5" LCD Touch Screen	✓
Multi-colour LED indicators	✓

Electrical

Voltage	230V/400V AC 50Hz single or 3-phase (Type A RCD protection required)
Earthing Arrangements	TN-C-S or TT
Load Management	Maximum charging current can be set via the APP, other arrangements can be configured
Cable Size	6mm ² 5 core 1.5m long
Built-in RCD	30mA (AC), 6mA (DC)
Built-in PEN fault detection	✓
Built-in metering	MID meter ±1% accuracy
Surge protection:	level III lightning protection, 4000 V (recommended to protect the circuit with a Type 2 SPD)
Isolation	Class II

Physical

Size (w x h x d)	187 x 335 x 130mm approx.
Weight	4.2kg approx.
Cover colour	Grey
Ingress protection	IP54
Impact protection	IK10
Flammability rating	IEC 60695-1-10 UL94 5VB or V0
UV resistant	✓