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# Home 3 Pro Technical Specification

## Technical details for the Home 3 Pro EV Charger

### Product Information

Model: Home 3 Pro

Connection Capacity: Single Phase, 7.4kW AC

Charging Connector: Tethered, IEC 62196/Type 2 OR SAE J1772/Type 1 Tethered Cable Length (m): 5 / 7.5 / 10 (10m only available in type 2)

Dimensions (mm): 328 (H) x 243 (W) x 101(D)

Mounting Type: Wall/Pole mounted

Colour: Ultra White / Ultra Black / Space Grey

Unit Material: PC, PA66 GF NYLON

Charging Protocol / Mode: Mode 3 (compliant with BS EN IEC 61851-1:2019)

### Electrical Properties

Rated supply voltage: 230V AC - Single Phase

Rated power: 7.4 kW

Rated current of assembly: 32A (max)

Output supply: AC 230V 7.4 kW Single Phase

(Note: May vary based on vehicle make and model as well as electrical installation setup)

Mains Frequency: 50 Hz

Average standby power consumption:

Lowest LED brightness setting: 4.2W

Maximum LED brightness setting: 8.4 W

Energy efficiency (at full rated output): 99%

Rating against shock: Class I Equipment

Compatible earthing systems: TN-C-S & TN-S (PEN Fault Protection) or TT Electromagnet Compatibility (EMC) Classification Type B



## Connectivity

WiFi: Wi-Fi 802.11b/g/n @2.4 GHz

Bluetooth: Bluetooth LE (Version 4.2)

## Safety

RCD Protection: Internal 6mA DC RCD (External AC Protection Required, "A" Type Recommend)

PEN Fault Protection: Integrated PEN fault protection compliant with Amendment 2 of BS7671:2018.

Overcurrent protection: External protection required (MCB or RCBO). We recommend using B or C Curve, 40A

## Standards and Compliance

Electric Vehicles (Smart Charge Points) Regulations 2021

EV Charging Compliance | EN 61851-1:2019, BS 7671:2018 + A1:2020

RoHS | 2011/65/EU

Safety Compliance | 2014/53/EU Radio Equipment Directive 3.1(a) - EN IEC 61851-1:2019 / EN 62196-1:2014 / IEC TS 61439-7:2014

EMC Compliance | 2014/53/EU Radio Equipment Directive 3.1(b) - EN IEC 61851-21-2:2021, EN 55032:2015 + A1:2020 (Class B)

Commission Regulation (EC) No 1275/2008

Impact Protection: IK10

Ingress Protection: IP66

## Features

Status Indication/HMI: Multi-colour LED's around the sides and the logo on the front of the enclosure.

Charging modes: Boost, Eco (Solar & Grid), Super Eco (Solar Only)

App: Full Function Control via the app.

ALM: Automatic Load Management

Other: Lock, Plug & Charge, Schedule Charging, Selectable LED Brightness & Modes

## Environment

Operating Temperature: -25 to 40 °C | Operating Humidity: Up to 95% RH, non-condensing | Environmental

Protection: IP66 | Pollution degree: 3 Maximum Altitude Level: 2000m