Planning Application Supporting Information



The Nook, Church street, Ruabon, currently has UPVC windows not preserved, proposal to replace with Timber casement, double glazed to match design of similarly aged buildings left and right within the conservation area. Out of scope – the porch door and side windows are timber and will be retained.

Window Specifications

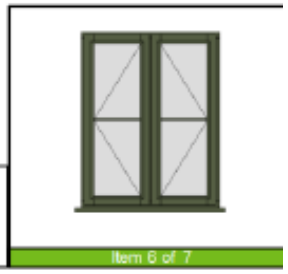
All sizes as existing, Manufacturer TBC once planning confirmed.

Traditional Timber CASEMENT WINDOW - KITCHEN — Qty 1

Material:	Redw ood
Frame colour:	RAL - 6003: Olive Green
Cill:	With cill
Cill colour:	RAL - 6003: Olive Green
Handle(s):	Black handle(s)
Peg stay:	Not required
Window board	Use existing w indow board
Fitting	Replace existing w indow
Building works	Not required
New lintel	Not required

Clear 4:20:4 Low E (A Rated)

Timber Astragal Bars - RAL - 6003: Olive Green



Item 6 of 7

Traditional Timber CASEMENT WINDOW - LOUNGE — Qty 1

Material:	Redw ood
Frame colour:	RAL - 6003: Olive Green
Cill:	With cill
Cill colour:	RAL - 6003: Olive Green
Handle(s):	Black handle(s)
Peg stay:	Not required
Window board	Use existing w indow board
Fitting	Replace existing w indow
Building works	Not required
New lintel	Not required

Clear 4:20:4 Low E (A Rated)

Timber Astragal Bars - RAL - 6003: Olive Green

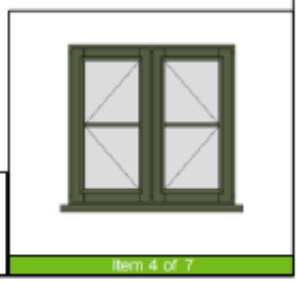


Traditional Timber CASEMENT WINDOW - FRONT BEDROOM — Qty 1

Material:	Redw ood
Frame colour:	RAL - 6003: Olive Green
Cill:	With cill
Cill colour:	RAL - 6003: Olive Green
Handle(s):	Black handle(s)
Peg stay:	Not required
Window board	Use existing w indow board
Fitting	Replace existing w indow
Building works	Not required
New lintel	Not required

Clear 4:20:4 Low E (A Rated)

Timber Astragal Bars - RAL - 6003: Olive Green



Item 4 of 7

Traditional Timber CASEMENT WINDOW - FRONT BEDROOM — Qty 1

Material:	Redw ood
Frame colour:	RAL - 6003: Olive Green
Cill:	With cill
Cill colour:	RAL - 6003: Olive Green
Handle(s):	Black handle(s)
Peg stay:	Not required
Window board	Use existing w indow board
Fitting	Replace existing w indow
Building works	Not required
New lintel	Not required

Clear 4:20:4 Low E (A Rated)

Timber Astragal Bars - RAL - 6003: Olive Green



Driveway

Supplier specified - Huwsgrey

Bradstone Woburn Original Block Paving Graphite 134mm x 134mm x 50mm

- Part Number : U0077583



Or if unavailable at time

Bradstone Woburn Original 50Mm Block Paving 100 X 134 X 50Mm Graphite 40862

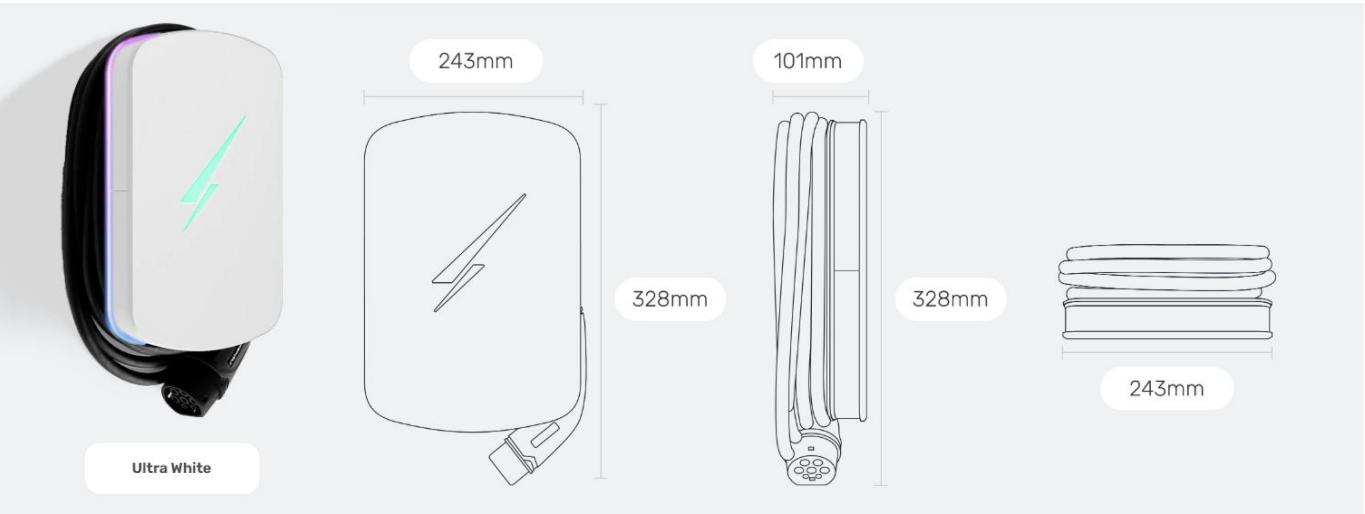
- Part Number : U00775



EV Charging Point

Supplier – Octopus (White is not standard but to blend in with render).

- Proposed EV charger.
- Hyper Volt Home 3 Pro in white with no illumination (switched off)
- Mounted direct to porch as per drawing.



Product Information

Model: Home 3 Pro
Connection Capacity: Single Phase, 7kW AC
Charging Connector: Tethered, IEC 62196 / Type 2 OR SAE J1772 / Type 1
Tethered Cable Length (m): 5 / 7.5 / 10
Dimensions (mm): 328 (H) x 243 (W) x 101(D)
Mounting Type: Wall/Pole mounted
Colour: Ultra White / Ultra Black / Space Grey
Weight: 6.15 kg (5m) / 6.9kg (7.5m) / 7.3kg (10m)
Unit Material: PC-ABS, ABS Composite
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
Rated impulse withstand voltage: 4000V
Rated peak withstand current: 1000A @ 1ms
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)
Mechanical impact protection: IK08

Standards and Compliance

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)

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, Factory Reset, Tamper Alerts, Selectable LED Brightness & Modes, Current Limiting, Usage Records,

Environment

Operating Temperature: -25 to 50 °C | Operating Humidity: Up to 95% RH, non-condensing | **Environmental Protection:** IP66 |
Pollution degree: 3
Maximum Altitude Level: 2000m

Telsa EV charger alternate option

Supplier and installer TBC



NACS

Wall Connector Specs

Voltage
230 V Single-phase
230 V Three-phase delta
400 V Three-phase

Max Current Output
32 amps

Power Output
7.4kW - 22kW

Wi-Fi
2.4 GHz 802.11 b/g/n

Dimensions
13.6" x 6.1" x 4.3"

Cable Length
7.3 m (24 ft)

Installation
Indoor/outdoor

Compliance
CE, IEC 61851-1 CB

Safety
Integrated RCD Type A + DC 6mA

Firmware Updates
Over-the-air via Wi-Fi

Compatibility
Model S, Model 3, Model X, Model Y
Any EV with a Type 2 charging port

Warranty
48 months for personal use

Power Management
Automatic load management

Energy Metering
Revenue-grade metering
Coming soon