

Our Ref:
3995-PON

Your Ref:

Date:
22-04-2025

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Housing 21

Extra Care Facility

Kenmore Drive, Cleckheaton



Summary of Electric Vehicle Charging Strategy

General:

Electric vehicle charging (EVC) is to be provided within the car parking area. for the charging of fully electric and other ultra-low emission vehicles in line with planning conditions for residential parking

The car parking area consists of 40No unallocated spaces. Each space is numbered and identified on the Architects plans and M&E Services Combined Below Ground Services Layout.

The EVC to be provided will therefore take the form of 2No Dual chargers 4No total) located between spaces 37/38 & 39/40. Associated cabling ductwork and access pits will be provided to accommodate the respective cabling to each unit.

In addition to the 2No charge points, facility will be provided for an additional 4No future points. This will be in the form of extended cable ducting and cable access pits. The locations allocated fall between spaces 29/30, 31/32, 33/34 & 35/36 respectively.

Schedule of EV Charge points

- Parking Space 39 – Charge point-1
- Parking Space 40 – Charge point-2
- Parking Space 37 – Charge point-3
- Parking Space 38 – Charge point-4
- Parking Space 35 – (future)
- Parking Space 36 – (future)
- Parking Space 33 – (future)
- Parking Space 34 – (future)
- Parking Space 31 – (future)
- Parking Space 32 – (future)
- Parking Space 29 – (future)
- Parking Space 30 – (future)

FOR BUILT ENVIRONMENT PROJECTS

The MaxiCharger Pillar is a floor-standing, smart, universal Type 2 socket EV charger that is available in single and dual-socket options. It is OCPP 1.6J compliant, has built-in PME fault detection on single and three-phase connection, and both static load management and dynamic load balancing capabilities.

Allowing EV drivers to charge with 7.4 kW charging speed, the MaxiCharger is an ideal charging solution for domestic and commercial requirements. The pillar housing is finished in a powder-coated steel with bespoke branding options available.



| Product Code | Product Name and Description |
|--------------|---|
| EVMX74 | MaxiCharger Smart Online AC Wallbox 7.4 kW - Socket (Black) |
| EVMX744G | MaxiCharger Smart 4G AC Wallbox 7.4 kW - Socket (Black) |
| EVMCSPP | MaxiCharger Single Pedestal Housing |
| EVMCDPP | MaxiCharger Dual Pedestal Housing |

Please note that if opting for a dual MaxiCharger Pillar, x2 MaxiChargers are required. The same principle applies to 3-way and 4-way options.

| Technical Specification | |
|-------------------------|--|
| Charging type | Mode 3, Type 2 |
| Charging power | 7.4 kW on single-phase |
| Rated current | 32 A/16 A |
| Rated frequency | 50 Hz |
| Input/output voltage | 230 V+-10%: L1, N, PE |
| Network type | TT, TN |
| RCD | Integrated 6mA DC + 30mA AC leakage detection |
| Protection | Overcurrent, overvoltage, undervoltage, ground fault including DC residual current protection, integrated surge protection |
| PME fault detection | Incorporated within the unit |



User Interface

| | |
|-------------------------|---|
| Status indication | LED/APP |
| User interface | MaxiCharger APP, MaxiCharger Service Software, web portal |
| Connectivity | Bluetooth, Wi-Fi, Ethernet, 4G |
| Communication protocols | OCPP 1.6J |
| User authentication | APP, RFID card, QR code |

General Characteristics

| | |
|-----------------------------|--|
| IP and IK rating | IP54, IK08 |
| Operating altitude | 2000 m |
| Operating temperature range | -40°C ~ + 55°C |
| Storage temperature range | -40°C ~ + 85°C |
| Weight | 3600 g |
| Dimensions (WxHxD) | Unit: 187 mm x 336 mm x 85 mm Pillar: 362 mm x 1197 mm x 270 mm |

Software Update

| | |
|-----------------|-------------------|
| Software update | APP or web portal |
|-----------------|-------------------|

Certification and Standards

| | |
|------------------|--|
| Safety standards | EN/IEC 61851-1, EN/IEC 62196-2, EN/IEC 62955, BS7671 |
| Certification | CE, UKCA (TUV) Compliant to the Electric Vehicles (Smart Charge Points) Regulations 2021, inc. Schedule 1 |
| Warranty | 36 months |

FOR BUILT ENVIRONMENT PROJECTS

The MaxiCharger is a wall or pedestal-mounted, smart, single-outlet universal Type 2 socket EV charger. It is OCPP 1.6j compliant, has built-in PME fault detection on single and three-phase connection, and both static load management and dynamic load balancing capabilities.

The MaxiCharger is robust, aesthetically pleasing, and suitable for all environments. Allowing EV drivers to charge with 7.4 kW charging speed, the MaxiCharger is an ideal charging solution for domestic and commercial requirements.



| Product Code | Product Name and Description |
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| PME fault detection | Incorporated within the unit |

| User Interface | |
|-------------------------|---|
| Status indication | LED/APP |
| User interface | MaxiCharger APP, MaxiCharger Service Software, web portal |
| Connectivity | Bluetooth, Wi-Fi, Ethernet, 4G (SIM not included) |
| Communication protocols | OCPP 1.6j |
| User authentication | APP, RFID card, QR code |



General Characteristics

| | |
|-----------------------------|--------------------------------|
| IP and IK rating | IP54, IK08 |
| Operating altitude | 2000 m |
| Operating temperature range | -40°C ~ + 55°C |
| Storage temperature range | -40°C ~ + 85°C |
| Mounting | Wall or floor using a pedestal |
| Weight | 3600 g |
| Dimensions (WxHxD) | 187 mm x 336 mm x 85 mm |

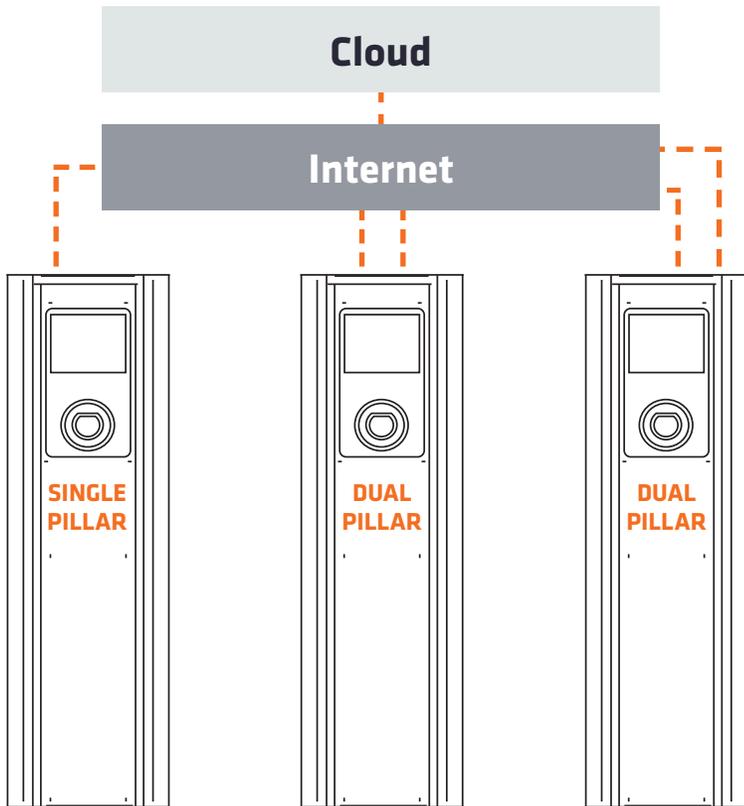
Software Update

| | |
|-----------------|-------------------|
| Software update | APP or web portal |
|-----------------|-------------------|

Certification and Standards

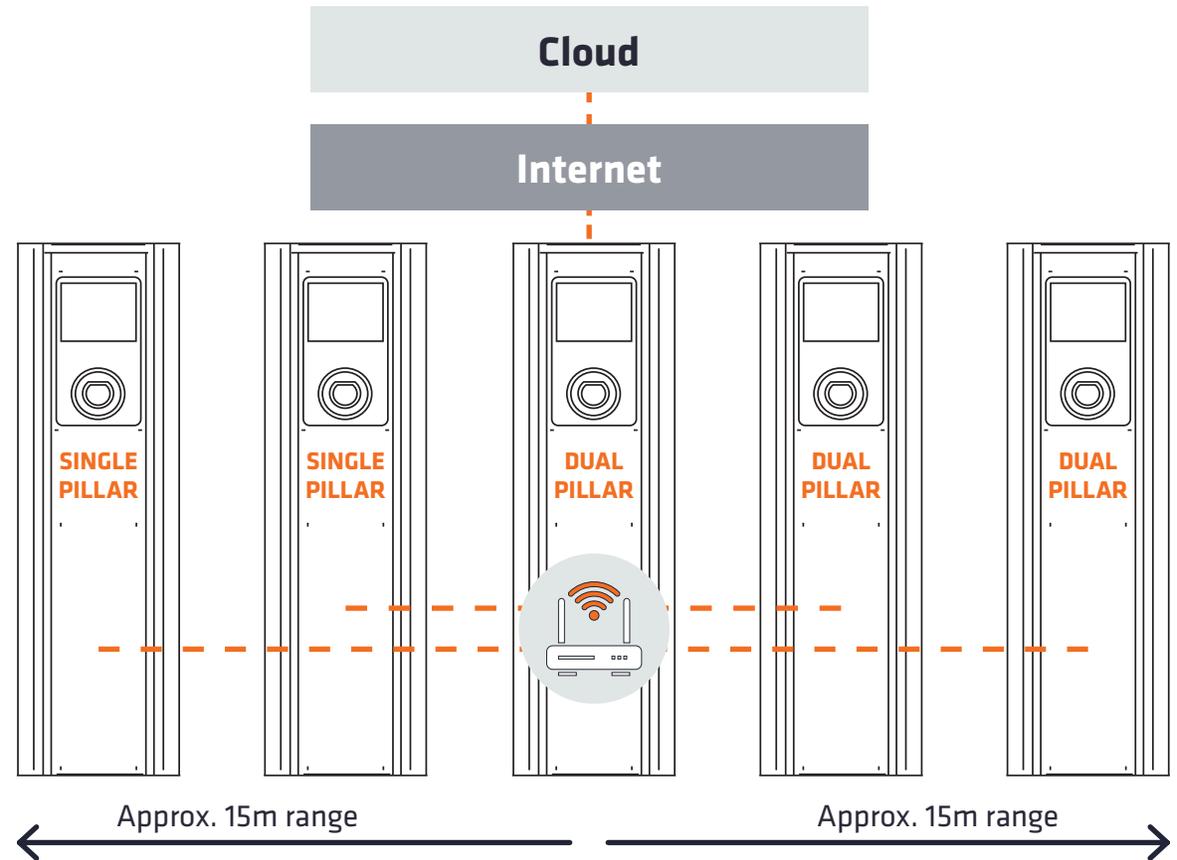
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| Safety standards | EN/IEC 61851-1, EN/IEC 62196-2, EN/IEC 62955, BS7671 |
| Certification | CE, UKCA (TUV) |
| Warranty | 36 months |

Individual 4G SIM card per unit



4G data charges apply per outlet
Load balancing via cloud only

4G router/Wi-Fi repeater module

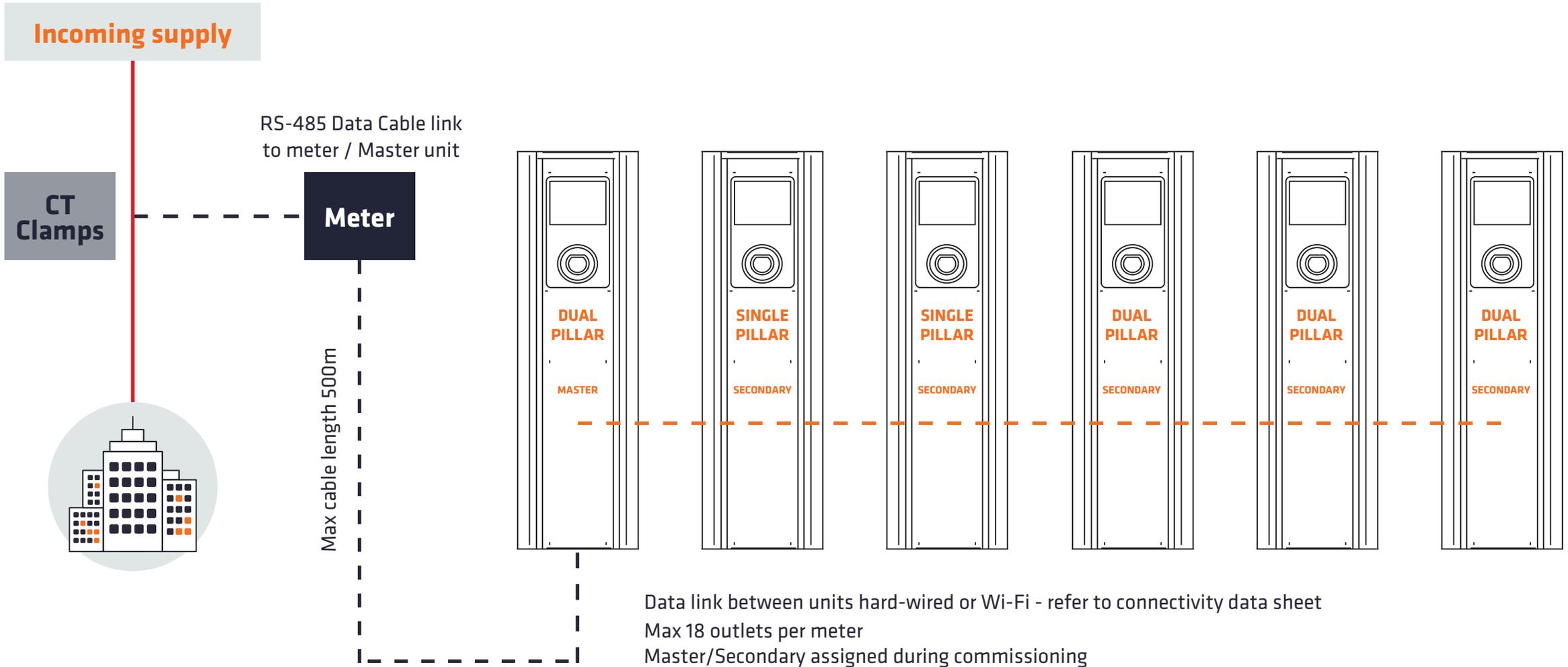


1x 4G data charge applies per router

Router requires IP rated 3-pin socket (by others)

Ensure suitable 4G signal available on site

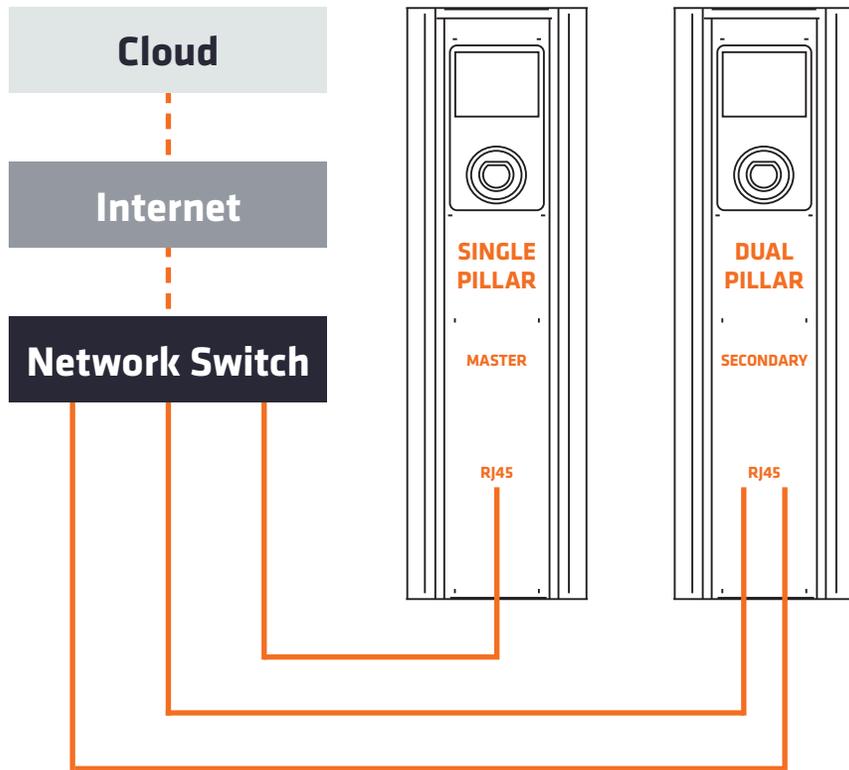
With active load balancing, power not being used by the building is sent to the charging group



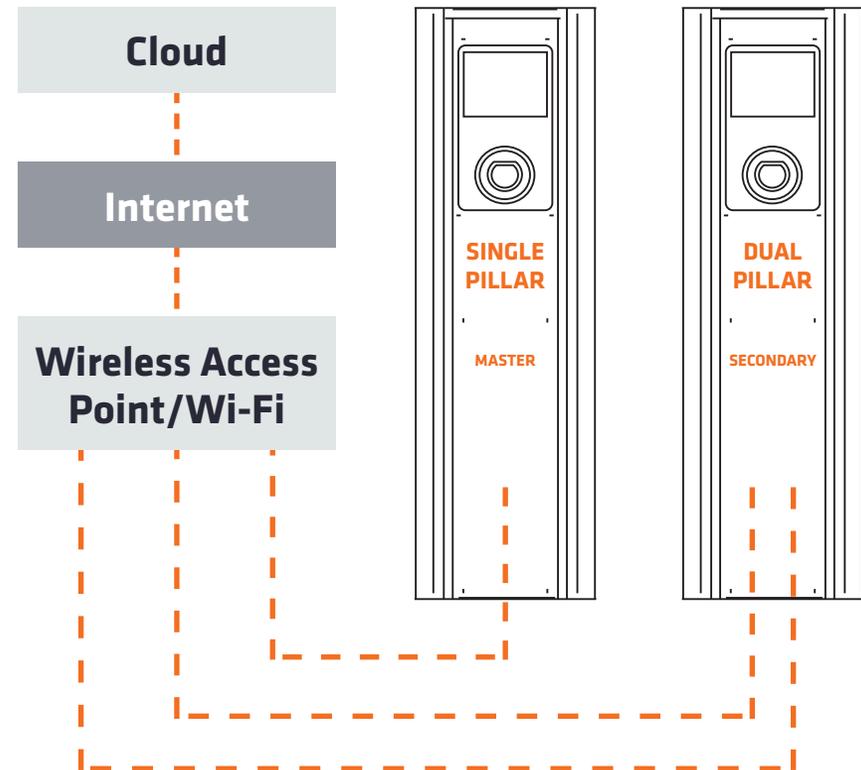
Hardwired data cable Cat 5/6 (one cable per outlet)

Single outlet pillar requires 1x cable

Dual outlet pillar requires 2x cable



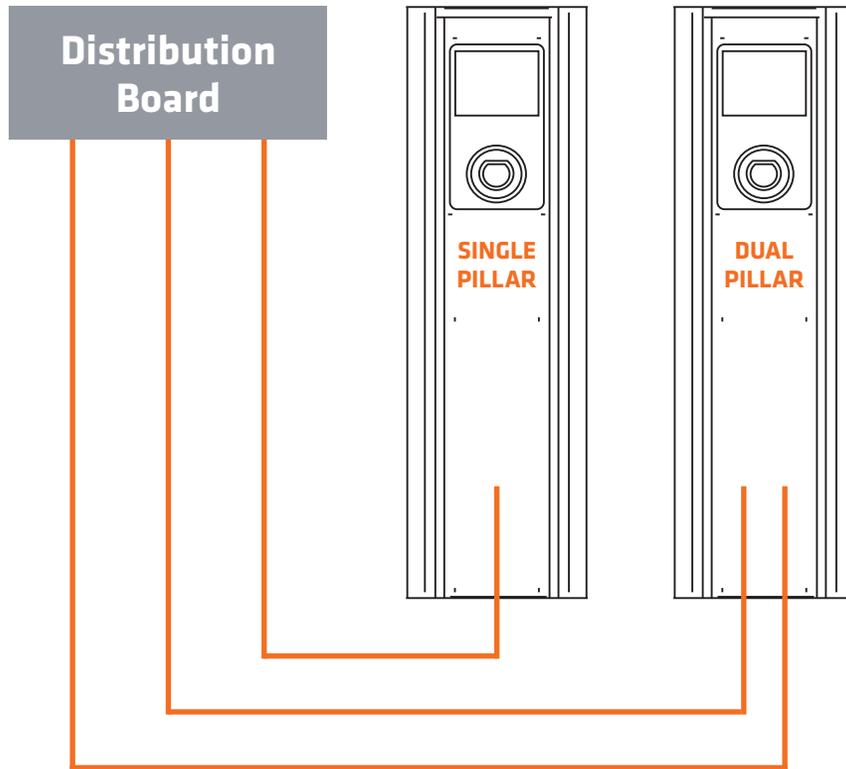
Wi-Fi connection (ensure signal strength sufficient)



All outlets in a group must connect to the same network or Wi-Fi

Standard power connection (one feed per outlet)

Single outlet pillar requires 1x cable
Dual outlet pillar requires 2x cable



Splitter box version (single power feed)

Dual or quad outlet pillar requires 1x cable

