

Volvo Group & Pod Point





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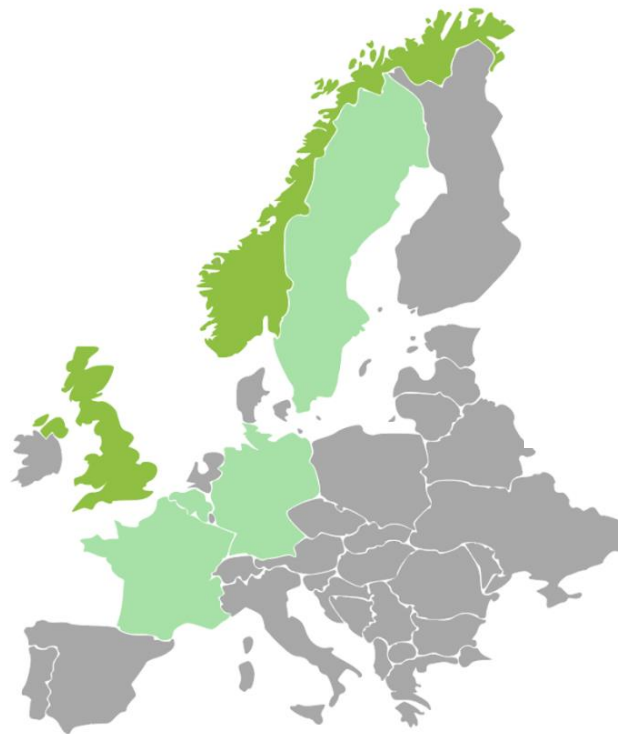
Pod Point

Pod Point is the largest independent charging provider in the UK..

We are an award-winning provider of electric vehicle charge points.

For over 10 years we have offered fully managed home, residential and commercial charging solutions.

We're building a network of intelligent charging stations across the UK to help people adopt clean transport in their everyday lives.



Home Installs
80,000
Public Points
4,200
Active Dealers
800+



Our Partners

Our partners trust us because we are the UK's largest charging company and we provide:

- An end-to-end solution
- Best in class installation, & aftersales support
- Industry leading hardware & software

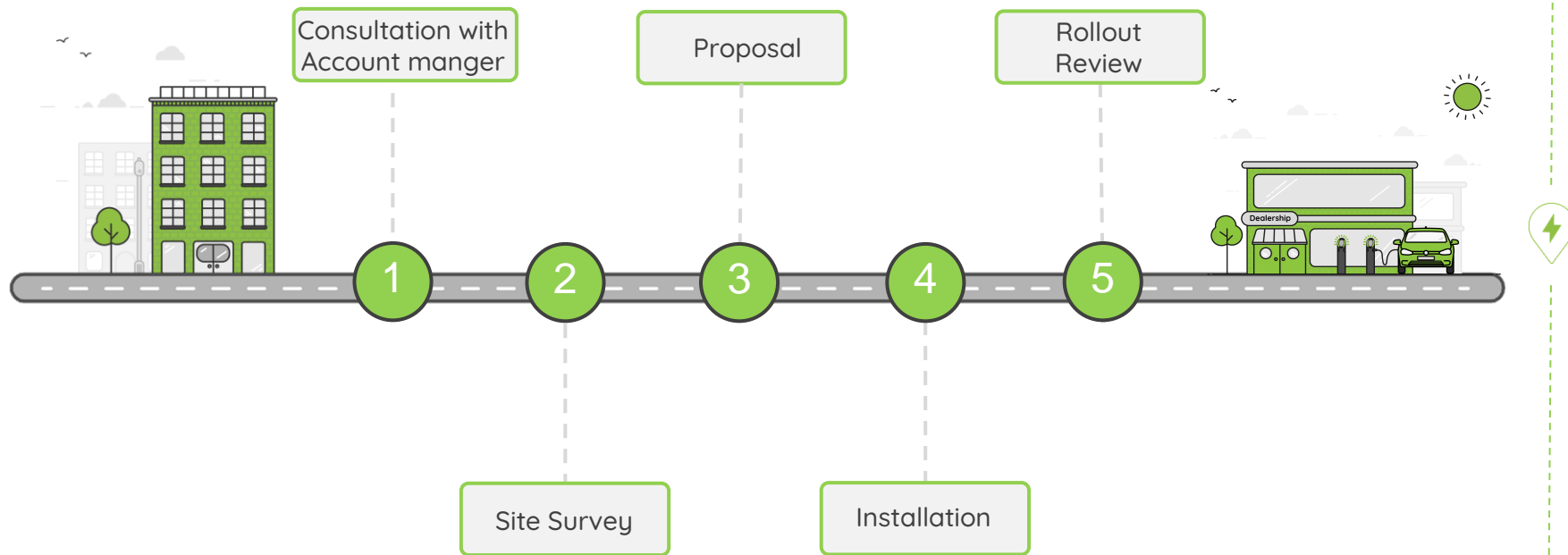
We have completed over 5,000 commercial installations including the following clients...



Volvo Dealership Charging

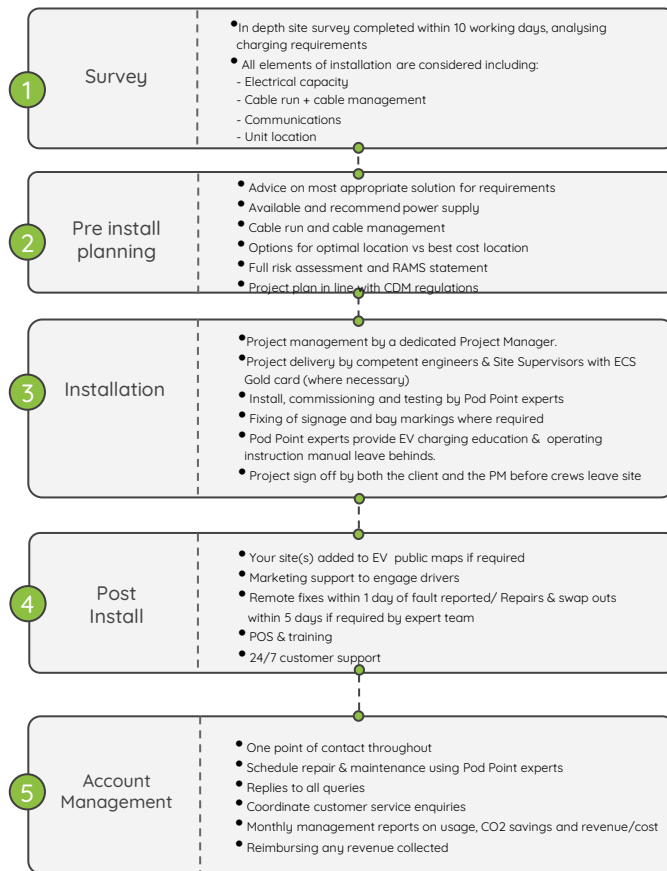


Typical EV Installation Process for Dealership





Commercial Site design and delivery





Our Installation Process

Everything we do is centred around best in class service

- Turnaround from enquiry to quotation within 22 working days:

Initial Enquiry to contact from Pod Point; (2 working days)

Survey date appointed within; (14 working days)

E-Readiness Report (including quotation) within; (10 working days)

Installation (from Quotation approval); (4 – 6 weeks)

- For the highest level of installation service and consistency there is a Pod Point Expert (PPE) who is on headcount and present on site at every installation.



- NICEIC Accredited
- Safecontractor approved
- Regional Managers have City and Guilds Level 3 in Electrotechnical Technology



Survey Process Example

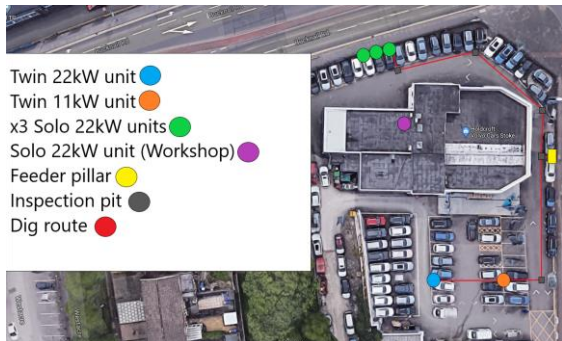
Request: 1x Twin 22kW, 1 x Twin 11kW, 4x Solo 22kW

Note: Quote based on using 250A in 3 phases 138kVA into

Client

- Client to clear the parking bay area concerned by the works,
- Client to provide full access for cabling works.

Civil Works	<ul style="list-style-type: none">- CAT scan entire cable route.- CAT scan the area beneath the units for earthing and fixing purposes.- Trench approx. 115m through tarmac between the feeder pillar and charge units.- Prepare 5 concrete base for the chargers.- Install an earthing pit and rod next to the Twin charging points.- Lay 130m of 110mmx63mm conduit in trench.- Reinstate trench and make a good area.
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Electrical Distribution	<p>For the Workshop Solo 22kW:</p> <ul style="list-style-type: none">- Electrician to notify client of proposed shutdown time for the Workshop DB. <p>For the outdoor units:</p> <ul style="list-style-type: none">- Install a new EV Distribution Board 200A TP in the feeder pillar.- Run and connect 5m SWA cable (35mm/5-core) from the new service head to the new EVDB.
x1 Solo 22kW unit within the workshop	<ul style="list-style-type: none">- Run 20m SWA cable (6mm/5-core) from the workshop DB to Solo 22kW by following old Solo 7kW cable route through existing trunking.- Install the unit on the wall and terminate cable.- Install x1 TP 40A MCB into the workshop DB.- Install x1 4 poles 63A RCD 30mA Type A in a separate enclosure and connect the charger cable.- Test and commission charging unit.
X3 Solo 22kW units (outside)	<ul style="list-style-type: none">- Run x3 SWA cables (10mm/5-core) from the feeder pillar to Solo units by feeding through ducting (Cable runs = 60m, 65m, 70m)- Install the units on the free-standing mounts and terminate cables.- Install x3 TP 40A MCB into the EVDB.- Install x3 4 poles 63A RCD 30mA Type A in a separate enclosure and connect the charger cable.- Test and commission charging unit.

x1 Twin 11kW unit	<ul style="list-style-type: none">- Run 45m SWA cable (6mm/5-core) from the feeder pillar to Twin unit by feeding through ducting.- Install the unit on concrete base by using surface mount plate and guard rail for protection in between the relevant parking bays and terminate cable.- Install x1 TP 40A MCB into the EVDB.- Test and commission charging unit.
x1 Twin 22 kW unit	<ul style="list-style-type: none">- Run 65m SWA cable (25mm/5-core) from the feeder pillar to Twin unit by feeding through ducting.- Install the unit on concrete base by using surface mount plate and guard rail for protection in between the relevant parking bays and terminate cable.- Install x1 TP 80A MCB into the EVDB.- Test and commission charging unit. <p>- Hand over installation to the client.</p>

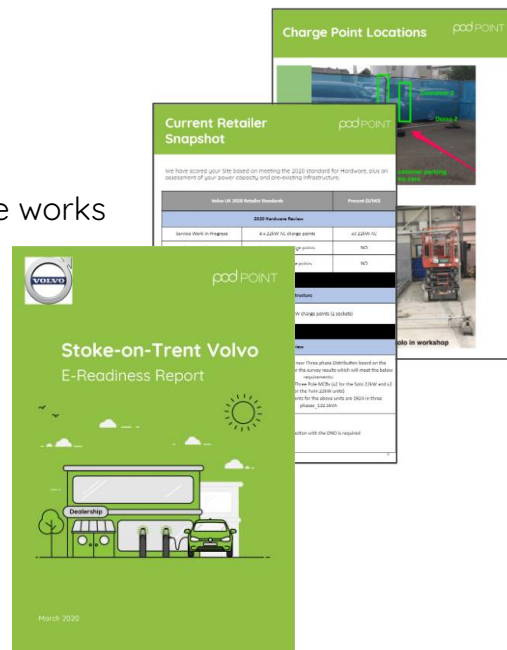




E-readiness Reports

An end to end installation service that simplifies the hassle of power upgrades.

- Our e-readiness surveys detail the **power capacity** on site, **existing infrastructure** and a **quote** to meet the agreed 2020 standard.
- A full Scope of works is included to show how we propose to complete the works
- All installations can be signed off centrally by Volvo.





Smart Reporting

Our Smart reporting system gives you customisation and control of your charge points.





Government Incentives & enablers



The OLEV Grant

reduces the cost of a home charge installation by **£350**



The Plug-In Car Grant

provides up to **£3500** towards the cost of an eligible plug-in vehicle



The Workplace Charging Grant

Eligible workplaces reduce the cost of charging points by **£350** up to a maximum of 20 sockets



Zero Congestion Zone Charge

Clean Air Zones throughout the UK from 2020. Birmingham, Derby, Leeds, Nottingham and Southampton



Zero Road Tax & Reduced BIK

No BiK from charging at a workplace (even personal vehicles)



100% First Year Capital Allowance

If annual spend on plant/machinery is above **£200k** as a business then you can deduct the cost of installed charge points from profits before tax



Support & Aftersales



Training

We will provide industry leading training and content to the Volvo Motor Group retailer network.

- Our Head of Insights is dedicated to increasing the charging knowledge base across the retailer network.
- Commitment to deliver regional workshops.
- We will provide video training content for Sales Managers focussed on charging FAQs, mythbusting etc.
- Our vehicle guides give retailers all the key charging information they require at the click of a button.

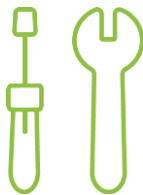




Aftersales & Customer Support



If a fault is reported we have
a 1/5 Service level
agreement.



1/10 SLA for installations



Warranty
3 Year swap out



Dedicated support
email address and
phone line



EV charging experts on
hand to offer no
obligation advice



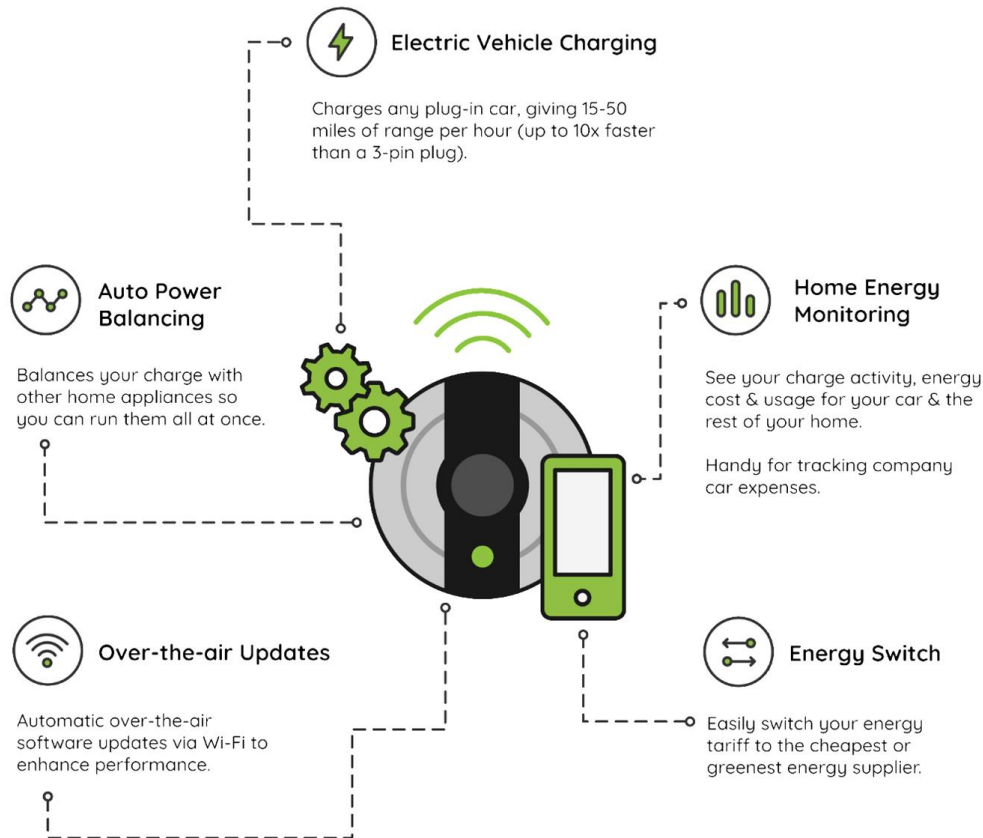
Customer Support centre
open 24 hours / 7 days a
week



Home Charging For Volvo Customers



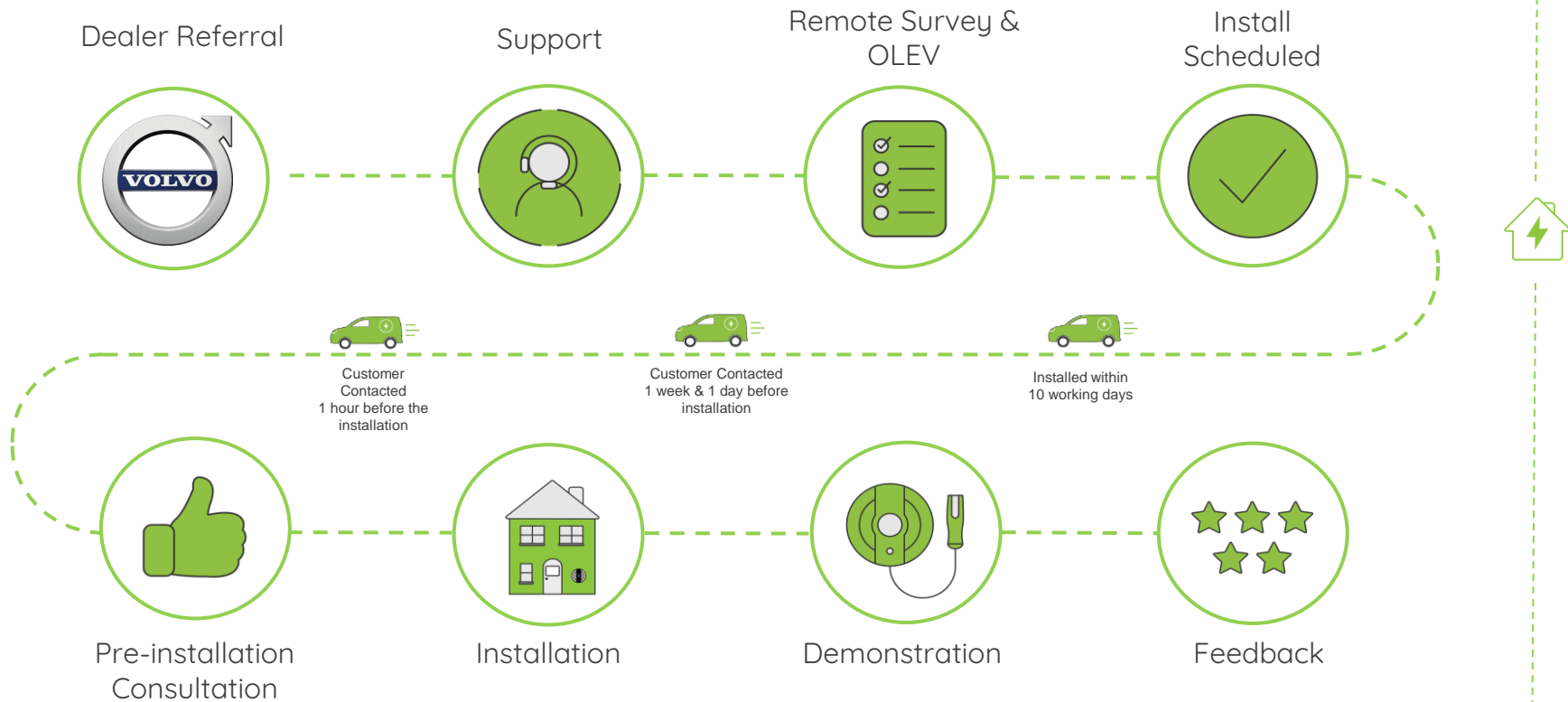
Our Home Charge Unit





Our Customer Journey

Looking after the customer every step of the way...





Referral Portal



New order

By filling in the form below, you confirm that the customer has expressly agreed that they would like to receive an email link to more information about purchasing a Pod Point (with no obligation to buy) and updates about Pod Point products and services by email.

Customer information

First name *

Last name *

Phone number *

Email address *

You have also asked the customer whether they **would like** Pod Point to contact them individually to help arrange the installation of a home charging point:

By phone *

☐ Yes ☐ No

By email *

☐ Yes ☐ No

Vehicle information

Make *

Model *

New or used *

☐ New ☐ Used

Vehicle order number

Create Order

Cancel



Referral Portal



Val Geary
POD Point Dealership

Dealership Dashboard

Create and manage your Pod Point orders

Create a new order

 [Send Me A Detailed Report](#)



Running low on POS?

[Request more](#)

Latest Orders

New orders can take a few minutes to appear.

Customer	Make & Model	Order created	Order status
Test Test	Mitsubishi Outlander	3 June 2019	Order submitted

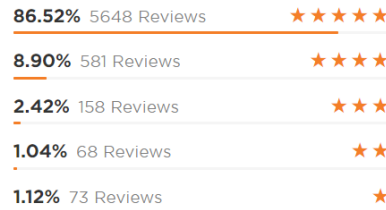




Customer Satisfaction

Our customer journey results in us achieving industry leading levels of customer service.

- All feedback is instantly available on our reviews.com site.
- If the star rating falls below 4 stars we call the customer to seek additional feedback.
- Transparency reports are available.



4.79 Rating 6,528 Reviews





Pod Point App

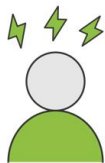
Our network is free to access and over 80% of our 3000+ charge points are free to use.



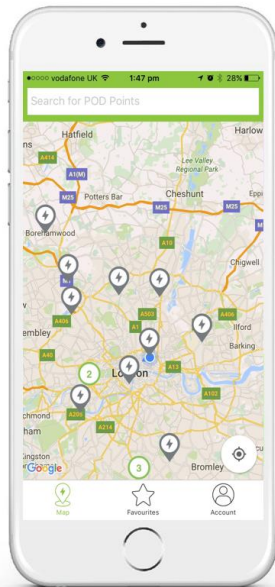
No RFID Cards



No locked cables



No charging stress



Plug in and charge



15 minutes to confirm
charge or pay



Stop charging and
disconnect



Summary



Summary

Volvo Group powered by Pod Point

- We are the **Industry experts**, delivering infrastructure roll outs for many automotive manufacturers.
- **Smart, fast and reliable** product backed by our Smart Reporting system.
- **A trusted partner** that would deliver installations in a timely and cost effective manner.



Appendixes

Hardware - AC

pod POINT

11kW AC Solo Connected Charger Specification:



Captive Cable



Universal

Dimensions	Øc:360mm, depth:150mm
Standard Colour	Grey & Black
Shipping Weight	6.5kg
Operating Temp	-30°C to +50°C
Operating Humidity	99% Non Cond
Enclosure Rating	IP54

Electrical Specification

Rated Voltage	415V AC, Three Phase
Rated Frequency	50Hz
Over current protection	To be fitted at source
Earth leakage protection	30mA type A RCD / RCBO to be fitted at source
Standby power consumption	2.5W
Standards compliance	UD 2014/35/EU EN 61851-1 and 22 CE Certified

Installation

Pod Point Solo is designed for installation in either an open or protected environment. The unit uses standard mechanical fittings and electrical connections. Pod Point can, in some territories, provide a full turn-key service for the installation and commissioning of the charge point. To maintain the product warranty, installation shall be in accordance with Pod Point's guidance and all relevant legislation. Pod Points must be installed by a certified electrician.

Compatibility

Pod Point Solo units are compatible with the Mode 3 charging standard and have been tested with the vehicles listed in the Vehicle Compatibility Section.

Connectors and Power Ratings

Pod Point Solo (three phase) units are available with a IEC 62196 gun on a 4.8m attached cable, or with an IEC 62196 Socket with the Mode3 charging standard.

Status lights

The status of the charge point is shown by coloured status lights.

Management Information System Compatible

All Solo variants are compatible with the Pod Point MIS.

Pay-as-you-go Compatible

All Solo variants are compatible with the Pod Point Pay-As-You-Go system.

Point Model	S22-UC/UP	S22-2C
Part Number	S22-UC-2 / S22-UP-2	S22-2C-2
Socket Electrical compliance	IEC 62196 Socket	IEC 62196 on 4.8m Captive Cable
Rated output	22kW*	
Rated current	32A x 3 Phase	
Charge Protocol	Mode 3	
Holder	N/A	YES
With comms	Yes (IEEE 802.11 bgn)	

*Note: The unit can be derated to 11kW

Contact
020 7247 4114
enquiries@pod-point.com
www.pod-point.com

Hardware - AC

11kW AC Solo Connected Charger Specification:

Limitation of liability

In no event will we accept any liability for any loss, costs or damage consequential on the use and/or misuse of our hardware products except and only to the extent that this is caused by our negligence.

Warranty

All correctly installed POD Point hardware is covered by our thirty six month limited warranty.

Any hardware failure should be promptly reported to us, ideally by e-mail to enquiries@pod-point.com, or by calling our support team on 0207 247 4114 quoting the serial number, location of the product, and giving a brief description of the failure.

Our support team will then investigate, and attempt to remotely resolve the issue. They may ask you to provide additional information to assist in this.

If the issue cannot be resolved remotely, and the product is in warranty, we will make arrangements for one of our team to visit the location and, if the issue is a result of any shortcoming in design or manufacture it will be made good free of charge or, at our option, exchanged for a replacement product.

If we attend site, and the fault is not a result of a shortcoming in design or manufacture of our product, we will make reasonable attempts to suggest what the issue is, and propose a resolution which may have a fee associated with it. A call out fee will be applicable where our product is not at fault.

Point smart charging hardware is designed to operate in co-ordination with grid demands. In periods of peak local, regional and national electrical demand charging may be interrupted or rate limited for brief periods to facilitate the need to manage the power grid. This is typically done to maintain stability of the grid, and ensure quality of supply. Where the end user has signed up to pod point data services information about each specific event is provided. The interruptions and limits are managed such that there should be no significant effect on vehicle charging overall.

Wifi Information

Security	Secure data encryption HTTPS
	Wi-Fi 802.11b/g/n @ 2.4 GHz
	Powerful Crypto Engine for fast, secured WLAN Connections with 256-Bit Encryption
	TCP on Port 443
Mode	Access Point (only for setup)
	Station
Channel Mask	1 to 13
Scan RSSI Threshold	-95dB
Station Addressing Scheme	Dynamic

Contact
020 7247 4114
enquiries@pod-point.com
www.pod-point.com

Hardware - AC

pod POINT

11kW AC Twin Connected Charger Specification:

Physical Properties

Height	1330mm
Socket Height	1000mm
Width	241mm
Depth	295mm
Standard colour	RAL 9005 (Black)
Paint finish	Anti Graffiti
Shipping weight	24kg
Operating temp	-25°C to +50°C
Operating humidity	95% Non Cond
Enclosure rating	Mennekes socket: IP44 Post: IP54



Introduction

The Pod Point Twin product is designed for locations where a publicly accessible charge point with multi- user capability is required.

Twin sockets

Each post can charge two vehicles simultaneously. We can supply either a Twin 3.6kW or 7kW single phase Pod Point, or a Twin 22kW three phase Pod Point.

Access

Each charging socket is protected by a hinged flap. Users begin charging by plugging in and using a mobile phone with our Pay-As-You-Go feature to authenticate the charge. For safety, power is only supplied to compatible connectors.

Pay As You Go Compatible

Twin units are compatible with our Pay-As-You-Go system, generating revenue to the host.

Status

The status of each charging socket is shown by lights (visible from the road).

User instructions

The Pod Point is designed to be intuitive. For extra help, instructions are displayed on the unit and on the Pod Point Open Charge app help guide drivers through the process.

Data Fees

To enable communication with the Pod Point Network, the data contract for the in-built SIM card (if applicable) must be maintained. Data costs vary with contract duration and Management System feature requirements.

Connected

Pod Point Twin units are designed to communicate with our Pod Point Network.

Mode 3

All our TwinPod Points use the industry standard Mode 3 charging protocols.

Installation

The Pod Point Twin range of charge points are designed for installation in either open air or protected environments. Each is supplied with a ground anchor, and is simple to install and connect. Feeder pillars, protective guards, signage, and other ancillaries required at the installation site are also available. Pod Point can, in some territories, provide a turn-key service for the installation and commissioning of charge points. Posts are not put into service, nor is the product warranty valid, until installation in accordance with Pod Point's protocols and local regulations has been verified.

After sales service

We will not undertake any repairs for any out-of-warranty failures without first receiving acceptance of our quotation for the related costs.

Refer to the installation guide for further details of supply requirements

Hardware - AC

pod POINT

11kW AC Twin Connected Charger Specification:

Security
Secure data encryption HTTPS
Wi-Fi 802.11b/g/n @ 2.4 GHz
Powerful Crypto Engine for fast, secured WLAN Connections with 256-Bit Encryption
TCP on Port 443
Mode
Access Point (only for setup)
Station
Channel Mask
1 to 13
Scan RSSI Threshold
-95dB
Station Addressing Scheme
Dynamic

Model	T7-S	T22-S
Part number	T7-S-2	T22-S-2
Charge Protocol	Mode 3	
Rated voltage	230V AC	400V AC
Rated frequency	50Hz	
Rated output current	2x32A	2x32A Three Phase
Rated output	2x7kW	2x 22kW*
Phase	Single Phase	Three Phase
Over current protection (Internal Protection)	RCD 40A per socket & software monitored	RCD 63A & MCB 40A 3-pole per socket & software monitored
RCD protection	Inbuilt 30mA RCDs - upstream protection optional	
Socket electrical compliance	IEC 62196-2	
Standards compliance	LVD 2014/35/EU, EMC 2014/30/EU, EN61851-1 and -22, CE Certified	
Standby power consumption	6W (With GSM Module)	
Wifi Comms	(IEEE 802.11bgn)	
Network Compatible	Yes	

*Note: The unit can be derated to 11kW

Limitation of liability

In no event will we accept any liability for any loss, costs or damage consequential on the use and/or misuse of our hardware products except and only to the extent that this is caused by our negligence.

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