Pod Point Solo
Single Phase Datasheet

pod POINT

Captive Cable

Universal

Physical Properties

Dimensions	Ø=360mm, depth=150mm
Standard Colour	Grey & Black
Shipping Weight	6.5kg
Operating Temp	-30°C to +50°C
Operating Humidity	95% Non Cond
Enclosure Rating	IP 54

Electrical Specification

Rated Voltage	230V AC Single Phase
Rated Frequency	50Hz
Over current protection	Internal dynamic over current protection – MCB at source
Earth leakage protection	Internal 6mA DC protection, 30mA 2 pole Type A RCD/ RCBO to be fitted at source.
Standby power consumption	<2.5W
Standards compliance	LVD 2014/35/EU EMC 2014/30/EU EN 61851 -1 and 22 CE Certified BS7671: 2018

Installation

Pod Point can provide a full turn-key service for the installation and commissioning of the charge point, the Solo is designed for internal or external fitment. It uses standard mechanical fittings and electrical connections. IEC 62196-2 equipped Pod-Point include on-board 6mA DC leakage protection that is fully compliant with BS7671:2018 and omits the need for a costly Type B RCD. Fitted in conjunction with a double pole Type A RCD/RCBO at source, protection of the entire installation and vehicle DC faults are guaranteed.

Safety Features

The entire Pod Point family of products include an on-board supply safety monitoring system, if a potential issue is reported by a Pod Point, we may contact the owner to propose a remedy, historically these issues are related to the external electrical supply. This system allows the Pod Point to be connected directly to a TN-C-S (PME) earthing system without an earth rod or any special arrangements as the product complies with regulation 722.411.1 (iii) of BS7671: 2018.

Compatibility

Pod Point Solo units are compatible with all mode 3 equipped vehicles that use the standard J1772 or IEC62196-2 connector (Type 1 or 2 socket) and have been designed and tested to comply with the latest IEC61851 standard. See: EV guides on our website for more details on charging:

https://pod-point.com/electric-car-charging-resources

Firmware Updates

Pod Points are over the air (OTA) upgradable via WiFi, new features and upgrades will be available from time to time to ensure the POD Point remains up to date.

Connectors and Power Ratings

Pod Point Solo units are available with a SAE J1772 (Type 1) gun on a 4.8m attached cable, an IEC 62196-2 (Type 2) gun on a 4.8m attached cable or an IEC 62196-2 Socket (includes mandatory lock mechanism) for use with a removable EV Charging cable. The power rating of the Pod point Solo is based on nominal supply voltages and EV charging currents, this may differ +20% or to the charge rate of the vehicle and connected cable (if separate).

Point Model	S3-1C	S3-2C	S7-1C	S7-2C	S7-UC/UP
Part Number	S3-1C-2	S3-2C-6mA-2	S7-1C-2	S7-2C-6mA-2	S7-UC-6mA-2
Socket Electrical compliance	IEC 62196 Socket	IEC 62196 Socket	IEC 62196 on 4.8 Captive Cable	IEC 62196 on 4.8 Captive Cable	IEC 62196 Socket
Rated output	3.6kW		7kW		
Rated current	16A		32A		
Charge Protocol	Mode 3				
Holster	YES			N/A	
Wifi comms	Yes (IEEE 802.11 bgn)				

*Note: All units can be de-rated if required.

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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.

WiFi Information

Security	Secure data encryption HTTPS
	Wi-Fi 802.11b/g/n @ 2.4 GHz
	SHA-256 hash algorithm implemented. WEP, WPA, WPA2 or OPEN WiFi.
	TCP on Port 443802.11b/g/n @ 2.4 GHz
Mode	Access Point (only for setup)
	Station
Channel Mask	1 to 13
Scan RSSI Threshold	-95dB
Station Addressing Scheme	Dynamic

Status lights

The status of the charge point is shown by a tri-colour LED indicator.

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.

Warranty

To maintain our thirty-six-month limited warranty, installation shall be in accordance with Pod Point's guidance and all relevant legislation and installed by a certified electrician.

Any hardware failure should be promptly reported to us, ideally by e-mail to **support@pod-point.com** or by calling our support team on **0207 247 4114** quoting the serial number and location of the product with 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 within warranty, we will arrange for one of our team to visit 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 design or manufacture issue of our product, we will make reasonable attempts to diagnose the issue 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.

Smart charging

Pod 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 rate may be limited for brief periods to facilitate the need to manage the energy grid. This is typically done to maintain stability of the grid and ensure reliability 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.