POD POINT

Fast Charging

Solo Smart Charger - Domestic

Datasheet

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The Solo Smart Charger - Domestic is a single-vehicle smart charger designed for domestic residential purposes only. The Solo Smart Charger is available in Socketed or Tethered models - with the Tethered model coming in both Type 1 and Type 2 cabled variants. The Solo is also available in a variety of charging rates; a 22kW charging rate will require the premises to have a three-phase electrical supply and does not include the Auto Power Balancing feature (load management).

Speed category	Fast Charging
Charging rate (s)	3.6, 7, 22kW
Product family	Solo

- Single-vehicle charging
- Smart Charging
- 3-year warranty
- Pod Point App enabled

Socketed Solo

Tethered Solo

Type 1 - 4.8 m cable or

Type 2 - 7.5m* cable

*The Tethered Solo Type 2 charging cable length was altered from 4.8m to 7.5m on chargers during August 2020. Please contact Pod Point if you require more information.

**The Tethered Solo does not come with dust caps tethered to the charging cable

Solo Smart Charger - Domestic - Model Numbers

S3 - 3.6kW Rate (single-phase)	S7 - 7kW Rate (single-phase)	S22 - 22kW Rate (three-phase)
Model: S3-2C-2 Variant: S3-2C-6mA-2 Tethered Type 2 Cable	Model: S7-2C-2 Variant: S7-2C-6mA-2 Tethered Type 2 Cable	Model: S22-2C-2 Variant: S22-2C-6mA-2 Tethered Type 2 Cable
Model: S3-1C-2 Variant: S3-1C-2 (EOL) Tethered Type 1 Cable	Model: S7-UC-2 Variant: S7-UC-6mA-2 Socket-	Model: S22-UC-2 Variant: S22-UC-6mA-2 Socket
Models available Socket	Model: S7-1C-2 Variant: S7-1C-2 Tethered Type 1 Cable	Model: S22-UC-2 Variant: S22-UC-6mA-2 Socket

EOL - End of line

Physical Properties

Diameter	360mm
Depth	150mm

Shipping Height S/T	170mm/180mm
Width S/T	400mm/400mm
Depth S/T	400mm/500mm

S3 S/T	3.5kg/5kg
S7 S/T	3.5kg/5kg
S22 S/T	4.5kg/6kg

Standard colours	Black Grey
Finish	Anti-graffiti

Operating temperature	-30°C to +50°C
Operating humidity	95%

Socket (Socketed model only)

Socket type	Type 1 (SAE J1772) or Type 2 (IEC62196-2:2016) Socket with locking mechanism
Enclosure rating	IP54

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Power

Charge protocol	Mode 3
Rated frequency	50Hz
Over-current protection	Internal (dynamic)
6mA DC leakage fault protection	Internal 6mA DC leakage (BS7671:2018)
Standby power consumption	<2.5 Watts
Auto Power Balancing	Enabled (excludes 22kW model)

Model specific detail

	S3, S7 Models single-phase	S22 Models three-phase
Rate voltage	230V AC phase+N	400V AC 3 phase+N
Rated output current	1 x 32A	3 x 32A
Rated output	1 x 3.6kW 1 x 7kW	1 x 22kW

Standards & compliance

Socket compliance	Socketed: IEC62196 Type 1: SAEJ1772 Type 2: IEC62196-2:2016 (with lock & lock status)
Standards compliance	LVD 2014/35/EU EMCD 2014/30/EU EN61851-1 and -22 EN61000-3 and -2 CE Certified BS7671: 2018

Connectivity

Wi-Fi	(IEEE 802.11bgn) @2.4 Ghz
	SHA-256 hash algorithm implemented: WPA, WPA2 or Open Wi-Fi
Connection security	Secure data encryption HTTPS
TCP	Port 443
Channel Mask	1 to 13
Scan RSSI Threshold	-95dB
Station addressing scheme	Dynamic

Pod Point App	Pair via Wi-Fi
Smart Charging	Enabled
Software updates	Via Wi-Fi
Feature updates	Via Wi-Fi

Charging Cable (Tethered model only)

Type 1	4.8m*
Type 2	7.5m

*The Tethered Solo Type 2 charging cable length was altered from 4.8m to 7.5m on chargers during August 2020. Please contact Pod Point if you require more information.

Solo Smart Charger - Domestic

Installation & Safety

- For full installation details, please see our Pod Point Install Guide for the Solo Smart Charger - Domestic.

- Our on-board 6mA DC leakage protection (Type 2 Tethered and Universal Socketed only) is fully compliant with BS 7671:2018. This can be used safely in conjunction with a double or four pole Type A RCD, instead of requiring a more costly Type B RCD.

- Certified Pod Point installations include a Type A RCD and Energy Clamp (single-phase only) fitted at source, providing full guaranteed protection on the entire installation. The Energy Clamp also provides our 'Fuse Saver' feature which protects your home's main fuse from overcurrent events.

- All Pod Point charging units include the Pod Point PEN Isolation System, which provides complete earthing protection without the need of additional earth rod installation. This is in compliance with BS7671:2018 regulation 722.411.4.1 (iii).

After sales service

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

Smart charging

- Our hardware is designed to operate in coordination with grid demands, in periods of peak local, regional or national demand. Charging may be interrupted or rate-limited for brief periods to facilitate grid management.

- Where data services have been purchased from Pod Point, Pod Point will manage these limits and mitigate any significant effect on vehicle charging overall.

Warranty and support

- To maintain our 3 years (from purchase date) limited warranty, installation shall be in accordance with Pod Point's guidance and all relevant legislation and installed by a certified electrician - please see the latest version of our Pod Point Install Guide for the Solo Smart Charger - Domestic.

- Any hardware failure should be promptly reported to us, ideally by email to **support@pod-point.com** or by calling our support team on **0207 247 4114.** You must quote 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. 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 the 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.

Limitation of liability

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

Call us for support on **020 7247 4114**

Email us at **support@pod-point.com**

Tweet us at **@Pod_Point**

Website **pod-point.com**

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