

**Fast Charging**

**Solo Smart Charger - Domestic**

**S3 | S7 | S22 Datasheet**

# Solo Smart Charger - Domestic



The Pod Point 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 model - 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 3 phase electrical supply and does not include Auto Power Balancing.

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



## Socketed Solo



Single-vehicle charging



Smart Charging



3 Year warranty



Pod Point App enabled



## 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.

## Solo Smart Charger - Domestic - Model Numbers

| S3 - 3.6kW Rate (Single Phase)                                    | S7 - 7kW Rate (Single Phase)                                      | S22 - 22kW Rate (3 Phase)   |
|---|---|---|
| Model: S3-2C-2<br>Variant: S3-2C-6mA-2<br>Tethered Type 2 Cable   | Model: S7-UC-2<br>Variant: S7-UC-6mA-2<br>Socket                  | Model: S22-2C-2<br>Variant: S22-2C-6mA-2<br>Tethered Type 2 Cable |
| Model: S3-1C-2<br>Variant: S3-1C-2 (EOL)<br>Tethered Type 1 Cable | Model: S7-2C-2<br>Variant: S7-2C-6mA-2<br>Tethered Type 2 Cable   | Model: S22-UC-2<br>Variant: S22-UC-6mA-2<br>Socket                |
| Models available<br>Socket  | Model: S7-1C-2<br>Variant: S7-1C-2 (EOL)<br>Tethered Type 1 Cable | -   |

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                  | 3.5kg/5kg   |
| S7                  | 3.5kg/5kg   |
| S22                 | 4.5kg/6kg   |
| Socket/Tethered     |             |

|                       |                |
|-----------------------|----------------|
| Standard colours      | Black<br>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<br>Type 2 (IEC62196-2:2016)<br>Socket with locking<br>mechanism |
| Enclosure rating | IP54  |

## 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<br>Single Phase | S22 Models<br>3 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<br>1 x 7kW          | 1 x 22kW              |

## Standards & compliance

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

## Connectivity

|                           |  |
|---------------------------|--|
| Wi-Fi                     | (IEEE 802.11bgn) @2.4 Ghz  |
|                           | SHA-256 hash algorithm implemented: WEP, 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.

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## 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 & universal socket 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 over current 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 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 - 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](mailto: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 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**



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Website **pod-point.com**

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