

**Fast Charging**

# **Solo 3 - Commercial**

## **Datasheet**

# Solo 3 - Commercial



This datasheet details the technical specifications for the Solo 3 (Commercial) a variant of the Solo product family. If you're unsure which model you have, please contact your account manager or Pod Point directly.

The Solo 3 includes all the the safety features of previous models and exceeds the BS EN 61851-1 standards for electrical vehicle charging.

|                |                                      |
|----------------|--------------------------------------|
| Speed category | Fast charging                        |
| Charging rate  | 3.6kW ~ 22kW (single or three-phase) |
| Product family | Solo                                 |



- 

Single vehicle charging
- 

Smart Reporting & Pod Point Network enabled
- 

Wi-Fi or 3/4G enabled
- 

Pay as you go enabled
- 

3-year warranty
- 

Single and three-phase compatible

### Universal Socket

Charger decal may vary  
Charging cables can be supplied at an additional cost

## Power & environmental properties

|                       |                                                                                           |
|-----------------------|-------------------------------------------------------------------------------------------|
| Power rating          | 2.5-22kW - AC                                                                             |
| Input voltage range   | 240-400 VAC (50Hz)                                                                        |
| Rated output current  | 0-30A - AC RMS                                                                            |
| IP rating             | IP54 enclosure (IP54 socket)                                                              |
| IK Rating             | IK10                                                                                      |
| Operating temperature | -25°C to 50°C                                                                             |
| Standby consumption   | <2.5W                                                                                     |
| Materials             | Polycarbonate                                                                             |
| Protections           | 6mA DC Leakage, Over current, PME and failed earth protection. Dual safety power contacts |

## Physical properties

|                          |                                     |
|--------------------------|-------------------------------------|
| Height<br>Width<br>Depth | 330mm<br>290mm<br>167mm (unplugged) |
| Weight                   | 3.5kg                               |
| Charging connector       | Type 2 IEC 62196-2 locking socket   |
| Colour                   | Black/Grey                          |

## Connectivity & communication

|                              |                                              |
|------------------------------|----------------------------------------------|
| Connectivity                 | IEEE 802.11bgn Wi-Fi<br>3/4G Router (option) |
| Feature and Software updates | Yes - Via Wi-Fi /3/4G data connection        |

## Socket

|             |                                                                       |
|-------------|-----------------------------------------------------------------------|
| Socket type | Mennekes Type 2 (IEC 62196-2) socket with statutory locking mechanism |
|-------------|-----------------------------------------------------------------------|

## Standards & compliance

|                      |                                                                                                            |
|----------------------|------------------------------------------------------------------------------------------------------------|
| Standards compliance | LVD 2014/35/EU<br>EMCD 2014/30/EU<br>BS EN61851-1:2019<br>EN61000-3 and -2<br>CE Certified<br>BS7671: 2018 |
|----------------------|------------------------------------------------------------------------------------------------------------|

## Security

|                     |                              |
|---------------------|------------------------------|
| Wi-Fi               | WEP, WPA, WPA2 or Open Wi-Fi |
| Connection security | Secure HTTPS data encryption |

Model matrix

| Model Family                   | S7-UP-03<br>(single-phase)         |                                    | S7-UPB-03<br>(single-phase)        |                                    | S22-UP-03<br>(three-phase)         |                                    |
|--------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|
|                                | Universal socket <sup>(1)</sup>    | Universal socket <sup>(1)</sup>    | Universal socket <sup>(1)</sup>    | Universal socket <sup>(1)</sup>    | Universal socket <sup>(1)</sup>    | Universal socket <sup>(1)</sup>    |
| Includes cable holster         | No                                 | No                                 | No                                 | No                                 | No                                 | No                                 |
| Maximum power rating           | 30A (~7kW) <sup>(2)</sup>          | 30A (~7kW) <sup>(2)</sup>          | 30A (~7kW) <sup>(2)</sup>          | 30A (~7kW) <sup>(2)</sup>          | 30A x 3 (~22kW) <sup>(2)</sup>     | 30A x 3 (~22kW) <sup>(2)</sup>     |
| Compatible with Array Charging | Yes                                | Yes                                | Yes                                | Yes                                | No                                 | No                                 |
| Variant                        | AX <sup>(4)</sup> Y <sup>(5)</sup> | AX <sup>(4)</sup> Y <sup>(5)</sup> | AX <sup>(4)</sup> Y <sup>(5)</sup> | AX <sup>(4)</sup> Y <sup>(5)</sup> | AX <sup>(4)</sup> Y <sup>(5)</sup> | AX <sup>(4)</sup> Y <sup>(5)</sup> |
| 4G Wi-Fi Router <sup>(3)</sup> | Wi-Fi only                         | Yes (+Wi-Fi)                       | Wi-Fi only                         | Yes (+Wi-Fi)                       | Wi-Fi only                         | Yes (+Wi-Fi)                       |

<sup>(1)</sup> User provides the suitable charging cable, supplied with the vehicle or purchased separately.

<sup>(2)</sup> Power rating will vary due to vehicle's maximum rate of charge and local supply voltage.

<sup>(3)</sup> Wi-Fi only units may communicate with 4G enabled units if in close proximity.

<sup>(4)</sup> X will be an alphabetical value (A-Z) which denotes different internal hardware variants

<sup>(5)</sup> Y will be an alphabetical value (A-Z) which denotes different internal hardware configurations

Installation advice & safety

- For full installation details, please see the relevant install guide on our [website](#).
- Certified Pod Point installations include RCD protection fitted at source, providing full guaranteed protection for the entire installation.
- Pod Point can provide a full turn-key service for the installation and commissioning of the chargepoint.
- The Solo 3 is designed for internal or external fitment.
- An Energy Clamp option is available for single-phase units that protects the site's main fuse from overcurrents that may result from the additional supply load when charging an EV.
- Our integrated 6mA DC Leakage protection is fully compliant with BS 7671:2018. This can be used safely in conjunction with a double or four pole Type A RCD/RCBO instead of requiring a more costly Type B RCD.
- The Solo 3 (Commercial) employ dual redundant safety power contacts, genuine Mennekes sockets with a safety locking feature and overcurrent protection for the user's connected charging cable.

## Benefits

The Solo 3 (Commercial) is compatible with PAYG (pay as you go) software functionality via the Pod Point App and are individually identifiable with two 4 letter names (XXXX-XXXX). The Pod Point App provides usage data for both home and commercial points.

The Solo 3 (Commercial) can be used with Pod Point's Array Charging load management system, allowing more charging points than the supply would normally allow. Please refer to the array datasheet on our [technical documents webpage](#) for more information.

UK and European based manufacturing facilities are used for production and in-house customer support teams are locally based, providing best in class support for its users.

## 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. Refer to the Solo Charger - Commercial installation guide for further details of supply requirements. Our Support team can be contacted by email [aftersalessupport@pod-point.com](mailto:aftersalessupport@pod-point.com).

## 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. Pod Point will manage these limits to mitigate any significant effects on vehicle charging overall.

## Limitations of use

- Pod Point do not authorise the use of charging cable adaptors and "smart" cables due to their impact on safety.\* Our chargers must only be used with European certified vehicles and cables (damaged or non-approved cables should not be used with any EVSE or vehicles).

*\*BS EN61851-1 forbids the use of in cable adaptors and cables that change the operational state of the EVSE (smart cables).*

## Warranty and support

To maintain our warranty, the installation shall be in accordance with Pod Point's guidance, comply with relevant legislation and be installed by a certified electrician.

Any hardware failure should be promptly reported to us, ideally by visit our **contact-us** page. 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 an associated fee. 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.

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