

Datasheet

Solo Pro

Hardware
PDD-2400094-2









This datasheet details the technical specifications for the Solo Pro, 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 Pro includes and exceeds all required and “optional” safety features noted in the BS EN 61851-1 standard for electric vehicle charging.

| | |
|----------------|------------------------------------|
| Speed category | Fast charging |
| Charging rate | 7kW ~ 22kW (single or three-phase) |
| Product family | Solo |



- Single vehicle charging
- Site Management Service on subscription & Pod Point Network enabled
- Wi-Fi or 3/4G enabled
- RFID 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 Insulation voltage | 230/400VAC |
| Rated impulse voltage | 4kV (CAT III) |
| Rated output current | 0-32A - AC RMS |
| Rated short-circuit current | 6kA |
| Let-through energy withstand (I²t) | ≤ 75 000 A²s |
| Standby consumption | <4W |
| Protections | 6mA DC Leakage, Over current, PME and failed earth protection. |

Physical properties

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|-----------------------|---|
| IP rating | IP54 enclosure (IP44/54 for plugs and socket) |
| IK Rating | IK10 |
| Operating temperature | -25°C to 40°C |
| Materials | Polycarbonate |
| Height Width Depth | 330mm 290mm 167mm (unplugged) |
| Weight | Up to 4.2kg |
| Charging connector | Type 2 (IEC 62196-2) |
| Colour | Black/Grey |

Socket

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

Connectivity & communication

| | |
|------------------------------|---|
| Connectivity | IEEE 802.11bgn Wi-Fi 2.4GHz 3/4G Router (option), Ethernet (option) |
| Feature and Software updates | Yes - Via Wi-Fi 2.4 GHz /3/4G/Ethernet data connection |

Standards & compliance

| | |
|----------------------|--|
| Standards compliance | RED 2014/53/EU BS EN 61851-1:2019 BS EN 61851-21-2 CE Certified BS7671: 2018 |
|----------------------|--|

Security

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|---------------------|-------------------------------|
| Wi-Fi | WPA, WPA2, WPA3 or Open Wi-Fi |
| Connection security | Secure HTTPS data encryption |

Model matrix

| Model Family | S7-UP-05 (single-phase) | S22-UP-05 (three-phase) |
|---|------------------------------------|------------------------------------|
| Connection type | Universal socket ⁽¹⁾ | Universal socket ⁽¹⁾ |
| Maximum power rating | 32A (~7kW) ⁽²⁾ | 32A x 3 (~22kW) ⁽²⁾ |
| Compatible with Array Charging | Yes | No |
| Auto Power Balancing (Load management) | Yes (optional) | No |
| RFID | Yes | Yes |
| Compatible with wired Ethernet | Yes | Yes |
| MID Meter | Yes (optional) | Yes (optional) |
| 4G Wi-Fi Router ⁽⁵⁾ | Yes (optional) | Yes (optional) |
| Variant | AX ⁽³⁾ Y ⁽⁴⁾ | AX ⁽³⁾ Y ⁽⁴⁾ |

⁽¹⁾ User provides the suitable charging cable, supplied with the vehicle or purchased separately in accordance with IEC 62196

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

⁽³⁾ Y will be an alphabetical value (A-Z) which denotes different internal hardware configurations

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

⁽⁵⁾ Wi-Fi only units may communicate with 4G enabled units if in close proximity. Router option is not compatible with MID Meter option.

Installation advice & safety

- For full installation details, please see the relevant install guide on our [website](#).
- Certified Pod Point installations include double or four pole RCD protection (Regulation 722.531.2.1.1) fitted at source providing protection for the entire installation, This RCD/RCBO may also fulfil requirements of regulation 722.537.
- Pod Point can provide a full turn-key service for the installation and commissioning of the charge point.
- A CT Clamp option is available for single-phase units that protects the site's main fuse from overcurrent that may result from the additional supply load when charging an EV.
- Our on-board 6mA DC Leakage protection is fully compliant with BS 7671:2018 - regulation 722.531.2.101. This can be used safely in conjunction with a Type A RCD/RCBO, instead of requiring a more costly Type B RCD.
- 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 (v).

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 Pro - Commercial installation guide for further details of supply requirements. Our Solo Pro is provided with a 3 year product warranty as standard, the terms of which can be found [here](#).

Site Management Service

- Administrators require a valid subscription to the Site Management Service to control the Solo Pro charger. The Site Management service allows invited administrators to set up access for drivers, set tariffs and understand charging insights.. Further information can be found [here](#).

Smart Charging

- Charging may at our discretion briefly be interrupted or rate-limited for brief periods to facilitate grid management in periods of peak local, regional, national demand or for other reasons. We may use data generated by or connected to your charger for such purposes. If utilised, Pod Point will manage these limits to mitigate any significant effect on vehicle charging times 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 3 year 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 [here](#). 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.