

# Pod Point Solo

## Universal Datasheet



Universal

### Physical Properties

|                    |                                  |
|--------------------|----------------------------------|
| Dimensions         | Ø=360mm, depth=150mm             |
| Standard Colour    | Grey & Black                     |
| Shipping Weight    | 5kg (1 phase)<br>6.5kg (3 phase) |
| Operating Temp     | -30°C to +50°C                   |
| Operating Humidity | 95% Non Cond                     |
| Enclosure Rating   | IP 54, IK 10                     |

### Electrical Specification

|                           |  |
|---------------------------|--|
| Rated Voltage             | 230VAC single phase or 400VAC 3 phase + neutral  |
| Rated Frequency           | 50Hz   |
| Over current protection   | Internal dynamic over current protection – MCB at source   |
| Earth leakage protection  | Internal 6mA DC protection, 30mA 2 or 4 pole Type A RCBO to be fitted at source                              |
| Standby power consumption | <2.5W  |
| Standards compliance      | LVD 2014/35/EU<br>EMC 2014/30/EU<br>EN 61851 -1 and 22<br>EN 61000-3-2 and 3<br>CE certified<br>BS7671: 2018 |

### Contact

020 7247 4114  
support@pod-point.com  
www.pod-point.com

### 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. Our on-board 6mA DC leakage protection is fully compliant with BS7671:2018 and omits the need for a costly Type B RCD. Fitted in conjunction with a double or four 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 universal units have been designed and tested to the latest IEC61851 standards to ensure compatibility with all mode 3 equipped vehicles that use standard SAE J1772 or IEC62196-2 connectors, (Type 1 or 2 cable to be provided by customer). See: EV guides on our website for more details on charging: <https://pod-point.com/electric-car-charging-resources>

Note: type 1 (J1772) vehicles do not support 3 phase charging.

### 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 universal unit is fitted with a standard IEC 62196-2 socket (Type 2 socket), a charging cable with an IEC 62196-2 plug is required, usually provided with the EV. The Pod Point socket includes a mandatory lock mechanism to prevent theft and unsafe cable disconnection while under load. 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.

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

| Point Model                  | S7-UC/UP  | S22-UC/UP                   |
|------------------------------|---|-----------------------------|
| Part Number                  | S7-UC-6mA-2 / S7-UP-6mA-2                         | S22-UC-6mA-2 / S22-UP-6mA-2 |
| Socket Electrical compliance | IEC 62196-2 socket with cable locking mechanism   |                             |
| Rated output                 | 7kW   | 22kW                        |
| Rated current                | 1x32A   | 3x32A                       |
| Charge Protocol              | Mode 3  |                             |
| Holster                      | No  |                             |
| Wifi comms                   | Yes WiFi (IEEE 802.11 bgn) - 3G-4G modem optional |                             |

\*For all variants with 4G modem add suffix -RO

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

### Contact

020 7247 4114  
support@pod-point.com  
www.pod-point.com

### 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. Pod Point PAYG Solos have unique human-friendly names for easy identification.

### 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](mailto: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.

### Array Charging

The Pod Point array charging system allows multiple points to manage their individual and total charging load within the limits of a fixed supply. The array system allows many more chargers to be fitted than would normally be the case, as each charger will de-rate as necessary, never overloading the incoming supply, for more details see: Array charging datasheet.

<https://d3h256n3bzipp.cloudfront.net/Solo-Pod-Point-Array-Charging-Datasheet.pdf>