

Datasheet

Twin V7 Charger

Hardware
Fast Charging
PDD-2400057-2



Twin Charger

The Twin Charger is a dual Type 2-socketed vehicle charger suitable for commercial and public installations. The Twin Charger is available for both single & three phase electrical supplies. Each Twin charger comes with a surface mount foundation plate, with signage and guard rails as optional extras.

| | |
|--------------------|--|
| Speed category | Fast Charging |
| Charging speed (s) | Up to 7kW (single-phase) Up to 22kW (three-phase) |
| Product family | Twin |



Guard rail shown for reference



Dual vehicle charging



Wi-Fi enabled (3G/4G available)



Smart Reporting & Pod Point Network enabled



3 Year Warranty

Model numbering

The variations of the Twin Charger are signified by the model number - this format is detailed to the right.

T7-S-07-XXX*-BLK

Type

*Variant

Customisation

Model numbers

| Type | | Variant | | Customisation | |
|------|-------------------------------|---------|-------------------|---------------|----------------|
| T7 | Twin single-phase (up to 7kW) | AX*B | Standard | BLK | Standard Black |
| T22 | Twin three-phase (up to 22kW) | AX*C | Standard + Router | CUS | Customised |

*X denotes internal hardware variant.

Twin Charger

| Technical specifications | T7 Single Phase Models | | T22 Three Phase Models | |
|---|---|---------------------------|--------------------------------|--|
| Charge Protocol | EV supply equipment intended for Mode 3 (ac) charging | | | |
| AC Operating Voltage | 230v AC 50Hz (per socket) | | 400v AC 50Hz 3P+N (per socket) | |
| Rated Insulation Voltage | 500VAC | | | |
| Rated impulse Voltage | 4kV (CAT III) | | | |
| Nominal Current | 32A (per phase per socket) 64A (per phase combined) | | | |
| Rated short-circuit current | 10kA | | | |
| Let-through energy withstand (I ² t) | ≤ 75 000 A ² s | | | |
| Power Output | Up to 7kW* (per socket) | | Up to 22kW* (per socket) | |
| Power Consumption (standby)** | 10Wh - (12Wh with 4G router) | | | |
| Earthing system | TT, TN-S, TN-C-S | | | |
| Internal RCD Protection | Type A 30mA (BS EN 60947-2) per socket | | | |
| Internal DC Leakage Protection | Internal 6mA DC detection (IEC 62955) per socket | | | |
| Internal Overcurrent Protection | Internal C40A, 10 kA, 2/4 pole MCB (BS EN 60898) per socket | | | |
| User Cable Over-current protection | Dynamic (dependant on cable rating used) | | | |
| Upstream RCD Protection | Recommended (Required in some circumstances) | | | |
| Protection against electric shock Pollution Degree Overvoltage category | Class I* Pollution degree 3 Category III | | | |
| EMC classification | Class B (residential emissions, non-residential immunity) | | | |
| Cable Terminal Capacity | Copper Cable Min 6mm ² - max 25mm ² | | | |
| | | | | |
| Connectivity | | | | |
| Wi-Fi | (IEEE 802.11bgn) @2.4 Ghz | Station addressing scheme | Dynamic | |
| Connection security | Secure data encryption HTTPS | 3G/4G | Optional router available | |
| TCP | Port 443 | Pod Point App | Pair via Wi-Fi | |
| Channel Mask | 1 to 13 | Smart charging | Enabled | |
| Scan RSSI Threshold | -95dB | | | |

*Twin chargers may be remotely de-rated if required

| Physical Properties | T7 Single Phase Models | T22 Three Phase Models |
|-----------------------------------|---|-----------------------------|
| Socket type | Universal Type 2 ⁽¹⁾ | |
| Socket height | 1000mm | |
| Finish | Anti-graffiti | |
| Standard colours | RAL9005 RAL9003 | |
| Operating temperature | -25°C to 50°C | |
| Operating humidity | 95% Max | |
| Environmental use | Indoors and Outdoors with non-restricted access | |
| IP and IK (Ingress/Impact) Rating | IP54 IK10 | |
| Height / Width / Depth | 1330mm / 241mm / 295mm | |
| Shipping dimensions | 1480mm/340mm / 370mm | |
| Weight | 16.9kg (17.2kg with router) | 18.8kg (19.1kg with router) |
| Shipping weight | 24kg | 30kg |
| Surface Mount (details) | | |
| Height / Width / Depth | 400mm / 370mm / 60mm | |
| Weight | 2.5Kg | |

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

| Standards & Compliance | |
|------------------------|---|
| Socket compliance | IEC62196-2:2016 (with lock & lock status) |
| Standards compliance | Radio Equipment Directive (2014/53/EU) / Radio Equipment Regulations 2017 EN IEC 61851-1 and -21-2 EN IEC 62196-2:2016 ETSI EN 301.489-1 ETSI EN 300.328 ETSI EN 301.908-1 and -13 RoHS, REACH, WEEE Electric Vehicle (Smart Charge Points) Regulations 2021 |

Access

- For full user guide details please see the Twin charger user guide on our [technical documents](#) page via Pod Point.com
- Each charging socket is protected by a hinged flap.
- Users begin charging by connecting their charging cable with the Twin and their vehicle.
- Authenticate and confirm a charge via the Pod Point mobile application (or Pod Point RFID cards with select models).

Data & fees

- To connect and communicate to the Pod Point Network a data contract must be maintained.
- Data costs will vary alongside contract duration and feature requirements.
- All of our Twin Chargers use the industry standard Mode 3 charging protocol.

Installation

- For full installation details please see the Twin charger installation guide document on our [technical documents](#) page via Pod Point.com
- All Twin chargers are designed for either open air or protected environments.
- Each Twin is supplied with a Surface Mount foundation plate
- Ancillaries such as feeder pillars, protective guards, signage and more are all available from Pod Point.
- Pod Point can provide a turn-key service for the installation and commissioning of Twin Chargers.
- Pod Point chargers are not put into service or valid for their warranty until installation is in accordance with Pod Point's protocols and local regulations have been verified.

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 Twin installation guide for further details of supply requirements.

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.
- 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 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.

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