

Datasheet

Twin V7 Charger with Cellular

Hardware
Fast Charging
PDD-2600033-1



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 7.4kW (single-phase) Up to 22kW (three-phase)
Product family	Twin



Guard rail
shown for reference

-  Dual vehicle charging
-  Wi-Fi enabled/4G
-  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-SC-07-XXX*-BLK

Type *Variant Customisation

Model numbers					
Type		Variant		Customisation	
T7	Twin single-phase (up to 7.4kW)	AX*A	Standard + Cellular	BLK	Standard Black
T7	Twin single-phase (up to 7.4kW)	AX*A	Standard + Cellular	CUS	Customised
T7	Twin single-phase (up to 7.4kW)	AX*A	Standard + Cellular	TES	Tesco Customisation
T22	Twin three-phase (up to 22kW)	AX*A	Standard + Cellular	BLK	Standard Black
T22	Twin three-phase (up to 22kW)	AX*A	Standard + Cellular	CUS	Customised
T22	Twin three-phase (up to 22kW)	AX*A	Standard + Cellular	TES	Tesco Customisation

*X denotes internal hardware variant.

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 40°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

Technical specifications	T7 Single Phase Models		T22 Three Phase Models	
Charge Protocol	EV supply equipment intended for Mode 3 (ac, permanently connected) 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 (I²t)	≤ 75 000 A²s			
Power Output	Up to 7.4kW* (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 6mm² - max 25mm²			
Connectivity				
Connectivity	Main Board WiFi - (IEEE 802.11bgn) @2.4 Ghz: 6dBm Cellular Board 4G – 800MHz,900MHz, 1.8GHz and 2.1GHz: +9dBm	Station addressing scheme	Dynamic	
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
**When not in charge mode the vehicle is galvanically isolated from the supply.

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.

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.
- Twin Chargers do not support the optional function for ventilation.
- 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.
- Our on-board 6mA DC Leakage protection is fully compliant with BS 7671:2018+AM4:2026 – 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 PME fault protection system, which provides complete earthing protection in compliance with BS 7671 regulation 722.411.4.1(e) with the option to use 722.411.4.1 (d) on single phase units. There is no need to install an additional earth rod for protection against PME faults.

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

- 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, extension leads 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 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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