

Fast Charging Twin Charger Datasheet

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 and is compliant with a pay-as-you-go charging system for drivers. Each Twin charger comes with a surface mount foundation plate, with signage and guard rails as optional extras. Specific models of the Twin Charger are RFID enabled, making them dual authenticating chargers.

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

- Dual vehicle charging
- Wi-Fi enabled (3G/4G available)
- RFID authentication available
- Smart Reporting & Pod Point Network enabled
- 3 Year Warranty



Guard rail shown for reference

Model numbering

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

T7-S-06-AX*A-BLK

Type Variant Customisation

Model numbers					
Type		Variant		Customisation	
T7	Twin single-phase (up to 7kW)	AX*A	Standard	BLK	Standard Black
T22	Twin three-phase (up to 22kW)	AX*C	Standard + Router	WHT	Standard White
		AX*D	Standard + RFID	Other customisation options available on request	
		AX*E	standard + RFID + Router		

**X denotes internal hardware variant.*

Twin Charger

Physical Properties

Height Width Depth	1330mm 241mm 295mm
Weight	T7 - 19 kg T22 - 22.5 kg
Shipping Height Width Depth	1480mm 340mm 370mm
Shipping Weight	T7 - 24kg T22 - 30kg

Standard colours	RAL9005 RAL9003
Finish	Anti-graffiti

Operating temperature	-25°C to 40°C
Operating humidity	95% Max

Socket type	Universal Type 2
Socket height	1000mm
Enclosure rating	IP54

RFID Authentication

Applies to specific RFID models only

RFID Card Technology	NTAG
Weight	T7 - 19.3 kg T22 - 22.8 kg
Shipping Weight	T7 - 24.3kg T22 - 30.3kg

Power

Charge protocol	Mode 3
Rated frequency	50Hz
Over-current protection	Internal (dynamic)
RCD protection	Internal 30mA resettable (per socket)
DC vehicle fault protection	Internal 6mA DC (per socket) (BS7671:2018)
MCB protection	Internal 40A MCB 2p/4p (per socket)
Upstream RCD protection	Optional
Standby power consumption	8 Watts max

	T7 Models single-phase	T22 Models three-phase
Rated voltage	400V AC Poly phase+N	400V AC three-phase+N
Rated output current	32A	64A 32A
Rated output	2 x 7kW*	2 x 22kW*

Standards & Compliance

Socket compliance	IEC62196-2:2016 (with lock & lock status)
Standards compliance	LVD 2014/35/EU EMCD 2014/30/EU EN61851-1 and -22 IEC62196-2:2016 CE Certified

Connectivity

Wi-Fi	(IEEE 802.11bgn) @2.4 Ghz
Connection security	Secure data encryption HTTPS
TCP	Port 443
Channel Mask	1 to 13
Scan RSSI Threshold	-95dB
Station addressing scheme	Dynamic

3G/4G	Optional router available
Pod Point App	Pair via Wi-Fi
Smart charging	Enabled

Surface Mount Foundation (details)

Dimensions Height Width Depth	400mm 370mm 60mm
Weight	2.5Kg

*Twin chargers may be remotely de-rated if required.

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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