

7.4kW Universal Data Sheet

BR-AC7000-01



Product Specification

- Fully Part S Compliant
- Multi-Home Intelligent Load Management System (MHI®)
- Power Rating - 7.4kW
- Variable Charging Speeds - 6A to 32A
- Built in PEN Fault Protection
- Solar Compatible
- Smart App Controlled - Download for [iOS](#) or [Android](#)
- Off-Peak Charging with Easy Scheduler
- Built-in LED Charging Status Indicator
- Universal Charging Socket
- Wi-Fi / 4G / Ethernet Connectivity
- IP54 and IK08 rated
- Corrosion and Fire resistant
- 2 Screw Self-Leveling System
- Wall or Post mounting Options
- Secure Tamper Boundary Included
- OZEV Grant Fundable

Installation

Brim charging points are designed for installation in either an open or covered setting. The point uses standard screw fittings and electrical connections. To maintain the product warranty, installation must follow Brim's guidance and all relevant legislation. Brim charging points must either be installed by our service installation team or by a certified electrician, followed by registration of the product.

For optimal protection, installation should include double or four-pole RCD protection to enhance safety. Installers may also consider using an energy clamp in single-phase installations to prevent overload on the home's main fuse due to the additional charging load. Further installation guides and user manuals can be downloaded at <https://www.fulltothebrim.com>.

Compatibility

Brim charging points feature a Type 2 socket and are compatible with all plug-in electric vehicles that follow the Mode 3 charging standard.

To ensure optimal performance and safety, only certified, European-standard charging cables should be used with Brim chargers. The use of adaptors, extension leads, or cables that modify the charger's functionality is not recommended, as these may impact performance and safety.

Status Light and RFID

Alongside the Brim EV Smart App, the status of the charge point is shown by coloured LED's on the front of the unit.

Building Reg Compliant

Brim chargers are fully compliant with 2023 building regulations, ensuring adherence to the latest industry standards and requirements.



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Input Power

Power Supply	Single-Phase
Rated Voltage	230V AC
Rated Current	32A
Frequency	50/60Hz

Output Power

Output Voltage	230V AC
Maximum Current	32A
Rated Power	7.4kW

Device

Charging Outlet	Universal Type 2 Socket - Mode 3
Housing Material	Plastic - PC940
LED Indicator	Green / Yellow / Red
RFID Reader	Mifare ISO / IEC 14443 A
Start Mode	Smart App Controlled / Plug & Play / RFID Card(s)

Communication

Communication	WiFi / Ethernet / 4G (Optional)
OCPP	OCPP 1.6

Safety

RCD	Embedded 6mA RDC-DD
Ingress Protection	IP54
Impact Protection	IK08
Electrical Protection	Over current protection, Residual current protection, Ground protection, Surge protection, Over/Under voltage protection, Over/Under frequency protection, Over temperature protection, PEN Fault Protection
Certification	CE, EN/IEC 61851-1: 2017, EN/IEC 61851-21-2: 2018
Warranty	7 Years

Environmental

Installation	Wall Mount / Post Mount
Operating Temperature	-30C to +50C
Operating Humidity	5% to 95%
Operating Altitude	<2000m

Dimensions

Product Dimension	150mm x 360mm x 120mm (W x H x D)
Package Dimension	398mm x 303mm x 207mm (W x H x D)
Net Weight	2.0kg
Gross Weight	3.5kg

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Warranty - 7 Years

Brim Chargers come with an 84 month warranty from the date of installation. Any hardware failure should be reported to us, by e-mail to plugmein@fulltothebrim.com, or by calling our support team on 020 7097 5911, quoting the serial number, location of the product, and giving a brief description of the failure.

Our Brim support team will then investigate, and attempt to remotely resolve any issue. They may ask you to provide additional information to assist in this. If the issue cannot be resolved remotely, and the product is in warranty, we will make arrangements for one of our team to visit the location 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 discretion, exchanged for a replacement product. If we attend the site, and the fault is not a result of a shortcoming in design or manufacture of our product, we will make reasonable attempts to suggest what the issue is, 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 hardware is designed to operate in co-ordination with grid demands. In periods of peak local, regional and national electrical demand charging may be interrupted or rate limited for brief periods to facilitate the need to manage the power grid. This is typically done to maintain stability of the grid, and ensure quality of supply. Where the end user has signed up to Brim's 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.

Environmental Impact and Sustainability

Brim Chargers are WEEE-compliant and manufactured using recyclable materials, supporting sustainable practices in line with industry standards.

Materials: The housing is made from durable and recyclable PC940 plastic.

Please refer to local recycling guidelines or contact us for recycling options for out-of-service products.

Limitation of liability

In no event will Brim accept any liability for any loss, costs or damage consequential of the use and/or misuse of our hardware products except and only to the extent that this is caused by our negligence.