



AC Chargers

Detailed Specification List

Detailed Specification List

This document shows the specifications of the three standard Peblar configurations: Home, Home Plus and Business. The value of certain parameters depends on the configuration which is depicted in between brackets.

General

Charger type	IEC 61851-1 AC mode 3
EV plug connection	IEC 62196 Type 2 cable (Home, Home Plus) IEC 62196 Type 2 socket (Business) IEC 62196 Type 2S socket (Business Shutter)
Rated (output) current	16 A (Home) 32 A (Home Plus, Business)
Rated voltage	230 V AC (1-phase) 400 V AC (3-phase)
Maximum power	3.7 kW / 11 kW (Home) 7.4 kW / 22 kW (Home Plus, Business)
Rated frequency	50 Hz
Dimensions (H x W x D, excl. cable)	387 x 207 x 128 mm
Weight (excl. cable)	Approx. 2.9 kg
Charging cable length	5 m or 7.5 m (Home, Home Plus)
User interface	Multicolor LED, buzzer, display, web interface
Intended use	Residential, commercial, and industrial applications

Safety

Current leakage	6 mA DC earth leakage protection
Safety class	Class I
Overvoltage category	Category III PEN fault detection (UK only) Tampering detection (UK only)

Authorization

Authorization methods	RFID (Mifare classic & Mifare DESfire) NFC None
------------------------------	---

ISO 15118 Plug and Charge Business only*

* Available in the future via an over-the-air software update

Energy meter

Energy meter class	Class B (Home Plus, Business)
Certification	MID certified (Home Plus, Business) Eichrecht module B / D, optional (Business)

Environmental

Operating temperature	-30 °C to +50 °C
Ambient storage temperature	-40 °C to +85 °C
Relative humidity range	5% to 95%
Maximum operating altitude	3000 m
IP rating	IP54
IK rating	IK10

Connectivity

WLAN	2.4 GHz with WPA2
Fixed network	Ethernet 100 Mbit
Cellular	LTE Cat-M1, NB-IoT, GPRS (Home Plus, Business)
SIM size	Nano-SIM (4FF)

Supported Protocols

Vehicle communication	IEC 61851-1 ISO 15118* (Business)
Back-end communication	OCPP 1.6-J OCPP 2.0.1 *
Firmware update	Locally via web interface Over-the-air via OCPP

Charging Strategies

Scheduled charging	Locally via Web interface Over-the-air via OCPP 1.6-J
Dynamic load balancing	Hardwired via CTs Local with HomeWizard P1 dongle Hardwired via Modbus RTU meter Hardwired via Modbus TCP meter (selected types)
Group load balancing	RS-485 (leader or follower) Ethernet
Solar charging	Local with HomeWizard P1 dongle Hardwired via Modbus TCP meter (selected types)
Power limitation	Current slider Local control via Modbus / REST API Household power slider

* Available in the future via an over-the-air software update

Installation

Installation location	Indoor and outdoor usage
Mains connection	Permanent mains connection only
Installation type	Stationary equipment. Wall or pole surface mounted

THE INFORMATION IN THIS DOCUMENT IS FOR MARKETING PURPOSES ONLY, IS PROVIDED AS IS, AND MAY BE SUBJECTED TO CHANGE WITHOUT NOTICE.

The latest version of this publication can be downloaded at <https://www.peblar.com/downloads>

While reasonable efforts are undertaken to ensure that this information is correct, we cannot guarantee that the information provided is completely free from inaccuracies. We are not liable for possible inaccuracies or completeness of information. The full product and warranty conditions are set out in the General Terms and Conditions.

All product names, trademarks, and slogans, whether registered or not, remain our intellectual property and may not be used without our prior written permission. The listing of name, logo or product of any third party is not intended to imply any endorsement or direct affiliation with Peblar and is purely for demonstrational purposes, unless otherwise stipulated.

Reach out to sales@peblar.com for inquiries.

© 2024 by Peblar. All rights reserved.

