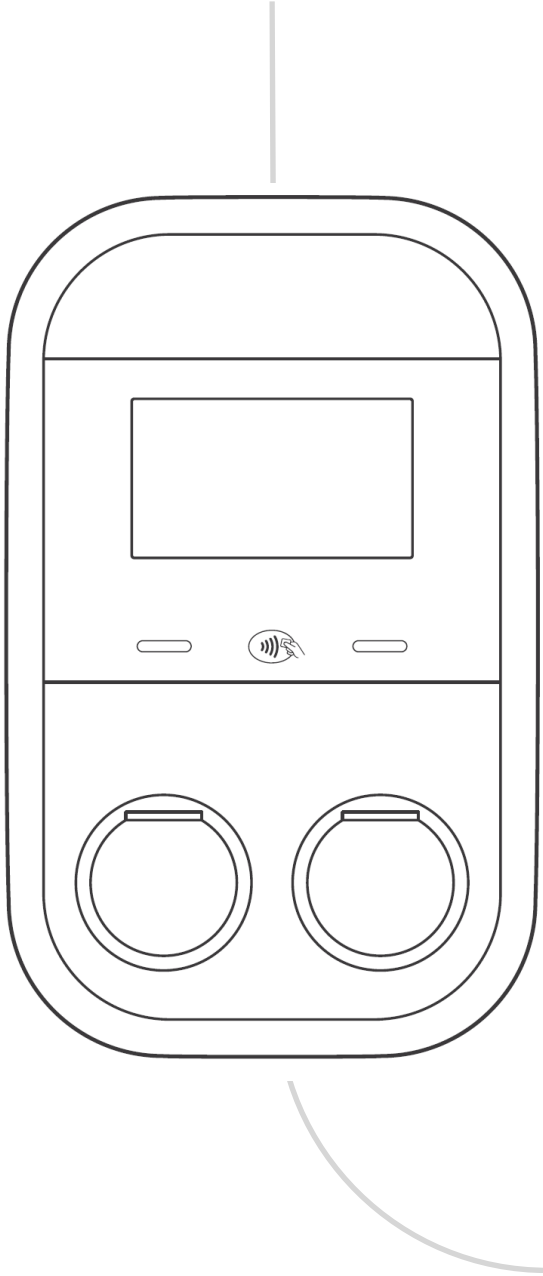

Peblar Dual

Specification list

6004-2601-9601

peblar ROCKSOLID CHARGERS

Specification list

This document shows the specifications of the Peblar Dual product variants. The value of certain parameters depends on the configuration which is depicted in between brackets.

General

Charging mode	EN 61851-1 Mode 3, case B
EV charging interface	2x Type 2 socket (Peblar Dual) 2x Shuttered Type 2 socket (Peblar Dual Shutter)
User interface	Touch screen, Socket status LED, Buzzer, Contactless Card reader
Ingress protection	IP54
Impact protection	IK10
Dimensions	H:470 x W:291 x D:128mm
Mass	8.4kg
Ambient operating temperature	-25 / +55°C
Storage	-40 / +70°C
Altitude	3000m
Intended use	Residential, commercial, and industrial applications

Electrical

Rated voltage	230/400V
Rated output current	3ph: 1 x 32A, 2 x 16A 1ph: 2 x 32A
Wire cross-section	4-16mm^2*
Rated impulse withstand voltage	4kV
Rated frequency	50Hz
Maximum external overcurrent protection	100A
Earthing systems	TT, TN-C, TN-C-S

* Higher cross-section can be achieved by Pedestal with external junction box (available as accessory)

Connectivity

WLAN	2.4GHz Wi-Fi 6 802.11 b/g/n/ax
LAN	2x Ethernet 100Mbit Integrated switch for daisy chain
Cellular	LTE Cat 1
SIM	Integrated chip SIM with lifetime data* Mini-SIM (2FF)**
GNSS	GPS / GLONASS / BDS / Galileo
RTU (RS485)	Modbus RTU
Digital input	2x digital input for dry contact monitoring
Digital output	1x dry contact, 50V 1A
Contactless card reader	RFID: - ISO14443A (MIFARE Classic, MIFARE DESFire - ISO14443B (Calypso) - FeLiCa NFC

* Based on fair use policy
**Mini-SIM by accessory. When inserted the integrated SIM will be disabled.

Supported protocols

Vehicle communication	EN 61851-1 Control pilot ISO 15118-2 ISO 15118-20*
Back-end communication	OCPP 1.6J OCPP 2.1*
Group load balancing	Local via web interface Over-the-air via OCPP

*Available in the future with firmware update.

Features

Group load balancing	Local balancing over ethernet*
Automatic group phase rotation	Local rotation over ethernet**
Dynamic load balancing (groups or stand-alone)	Meter options: - Homewizard P1 - Modbus RTU - Modbus TCP
Scheduled charging	Local webinteface
Solar charging	Local webinteface, OCPP
Active power control	2x current limit for digital inputs
QR code payment	URL configuration via OCPP
Smart charging profile	OCPP**
Custom logo upload	OCPP** Local web interface**

*One of the chargers in the group is defined as leader and runs the balancing algorithm.
** Available in the future with firmware update.

Residual current protection AC

Type	Integrated RCCB type A per socket outlet
Rated current	32A
Rated residual operating current	30mA
Rated making and breaking capacity	500A
Rated conditional short-circuit current	10kA
Normative standard	EN 61008-1:2012 +A1:2014+A2:2014+A11:2015+A12:2017 IEC 61008-2-2:2024 + IEC 61008-1:2024

Residual current protection DC

Type	Integrated RDC-PD per socket outlet
Rated current	32A
Rated residual operating current	6mA
Rated making and breaking capacity	500A
Rated conditional short-circuit current	10kA
Normative standard	IEC 62955:2018

Overcurrent protection

Type	Integrated MCB/MCCB shared between outlets
Rated current	40A
Characteristic	C
Nominal short-circuit breaking capacity	10kA
Normative standard	EN 60898-1:2019 EN 60947-1:2007 + A1:2011 +A2:2014 EN 60947-2:2017 +A1:2020

Surge protection device

Type	Integrated Type 2+3 SPD
Nominal discharge current	5kA
Max. discharge current	10kA
Admissible short-circuit current	10kA
Normative standard	EN 61643-11

Energy meter

Type	MID (Peblar Dual, Peblar Dual Shutter) MID + MessEV/MessEG (Peblar Dual Eichrecht)
Accuracy class	B
Normative standard	EN IEC 62052-11:2021/A11:2022 EN 50470-3:2022

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Reach out to sales@peblar.com for inquiries.

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