



Volt'R Chargers

Detailed Specification List

Detailed Specification List

This document presents the specifications of the Volt'R Label AC Chargers, including both standard configurations and additional specifications.

General

Charger type	IEC 61851-1 AC mode 3
EV plug connection	IEC 62196 Type 2 cable or socket
Rated current	16 A 32 A
Rated output current	16 A 32 A
Rated voltage	230 V AC (1-phase) 400 V AC (3-phase)
Nominal power	Up to 22kW
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
Charge cable length	5 m or 7.5 m
User interface	Multicolor LED, buzzer, display
Intended use	Residential, commercial, and industrial applications

Safety

Current leakage	6 mA DC earth leakage protection
Safety class	Class I
Overvoltage category	Category III
Disconnection prevention socket	Locking mechanism

Authorization

Authorization methods	RFID (Mifare classic & Mifare DESfire) NFC ISO 15118 Plug and Charge** None
------------------------------	--

Energy meter

Energy meter class	Class B
Certification	MID certified Eichrecht compliant

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
SIM size	Nano-SIM (4FF)

Supported Protocols

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

Load Balancing

Scheduled Charging	Via Web interface Via OCPP 1.6-J
Dynamic	Hardwired via CTs Local via P1 interface** Hardwired via Modbus RTU meter** Hardwired via Modbus TCP meter**
Group load balancing	RS-485 (leader or follower)

** 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 SUBJECT TO CHANGE WITHOUT NOTICE.

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 Energy Protect and is purely for demonstrational purposes, unless otherwise stipulated.

Reach out to info@energyprotect.be for inquiries

© 2024 by Energy Protect All rights reserved.

Energy  **Protect**