

EcoVolter II

Portable Wallbox



Product Features

- + Bluetooth, Wi-Fi & LTE connectivity
- + OCPP 2.0 & ModBus communication
- + Local and cloud API
- + OTA updates
- + Mobile app
- + Automatic grid type detection
- + Type B RCD with self-test
- + Automatic phase detection
- + Automatic grid detection (TN, IT)
- + Overvoltage & Undervoltage protection
- + Fleet mode

- + Charging history
- + Charging schedule mode
- + Booster mode
- + Scalable charger system
- + PV surplus charging
- + Customizable charger cable length
- + Temperature monitoring of all 3 phases
- + High-quality cable
- + TÜV certified
- + LTE connectivity
- + MID-certified consumption metering

Characteristics

Introducing the next-gen EcoVolter II Portable Wallbox—now with a cutting-edge platform and enhanced app available on the App Store and Google Play. Whether you need a basic offline charger or a fully connected Wallbox with LTE, three-phase MID-certified measurement, and top-tier communication protocols like API, ModBus, and OCPP 2.0, EcoVolter II scales to meet your needs. Available in both 11kW and 22kW versions.

EcoVolter II takes charging to the next level with automatic grid and adapter detection, optimizing performance while ensuring safety. Customize your charging current from 6A to 32A, with intelligent temperature monitoring that prevents overheating and fire risks. Effortlessly switch between single-phase and three-phase modes through the intuitive control panel or mobile app. The upgraded mobile app lets you monitor charging, schedule sessions, review charging history, and even manage PV surplus charging, all from your smartphone.

Technical Specifications

Model number	Type 2
Manufacturer	EVCH420RE1001VC20
Connectivity	Bluetooth, Wi-Fi, LTE
Versions	Offline+Bluetooth, Wi-Fi, LTE (Wi-Fi+MID, LTE + MID)
Product type	Mode 2 charging device, in-cable control and protection devices (IC-CPD)
Housing material	Polycarbonate
Housing dimensions	245 x 91 x 47 mm (main unit)
Net weight	2800 g
Dimension incl. packaging	400 x 395 x 150 mm
Gross weight incl. packaging	3300 g
Nominal voltage	240 / 400 VAC
Nominal current	16 A / 32 A
Nominal power	11 kW / 22 kW
Self power consumption	2 W
Residual current protection	RCD Type B 30mA AC / 6mA DC, with initial self-test
Vehicle connection	Type 2 (IEC 62196-2), cable length 6.5m, 10m depending on product version
Mains connection	CEE 5p / 16A (11kW), CEE 5p / 32A (22kW)
Operating temperature	-25 to +45 °C Charging current may be reduced at temperatures over +35 °C
Storage temperature	-30 to +60 °C
IP protection degree	IP 67 (housing), IP44 (main power plug and vehicle connector)
Applicable standards	ČSN EN IEC 61851-21-2; 2021, ČSN EN 61000-4-2 ed.2:2009, ČSN EN 61000-4-4 ed.3:2013, ČSN EN 61000-4-6, ed.4:2014, ČSN EN 61000-4-5 ed.3:2015 + A1:2018, ČSN EN 61000-4-8 ed.2: 2010, ČSN EN 61000-4-11:2020 + Opr.2: 2023, ČSN EN IEC 61000-3-2 ed.5:2019 + A1: 2021, ČSN EN 61000-3-3 ed.3: 2014+A2: 2022, ČSN EN 61851-1ed.3:2020, ČSN EN 61851-22:2002, ČSN EN 62752:2017+A1:2020
Data connectivity	Bluetooth, Wi-Fi, LTE connectivity

