

Smart

## Portable EV Charger

Type 2 - 3x 16A / 11kW



### Product Features

- + Wi-Fi connectivity, mobile application
- + Booster mode
- + Charging history with internal real time clock
- + Charging schedule mode
- + Automatic grid type detection
- + Type B RCD with self-test
- + Advanced safety and protection functions
- + API support

# Characteristics

The Smart portable charger is designed for charging electric vehicles from low voltage 240V and 400V power grids. It combines a portable Mode 3 charging station with a Mode 2 charging cable.

The charger automatically detects the type of power grid and adjusts its charging and protective functions accordingly. After the charger plug is connected to a matching power outlet, it performs a number of self-tests and upon their completion is prepared to start the charging process.

The user can set the charging current from 6 A to 16 A or the maximum current permitted by the plug.

The user can also switch between a single-phase and three-phase charging mode while the charger is connected to a three-phase power grid from the charger's control panel.

Additional functionalities are accessible from the mobile application.

## Technical Specifications

Model number	Type 2 - 3x16A / 11kW
Manufacturer	EVCH420RE1001VC20
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
Nominal power	11 kW
Self power consumption	5 W
Residual current protection	RCD DC 6 mA, AC 30 mA, 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 (IEC 60309)
Operating temperature	-25 to +40 °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	SAE J1772, IEC 62752, IEC 62196, 61851-Mode2, 62196-1 and IEC 61851-1, EMC, RoHS, ETSI EN 300 328 V2.1.1
Data connectivity	Wi-Fi 802.11b

