

HomePro

Detailed Specification List

Blue Current

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This document presents the specifications of the Blue Current HomePro, 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	32 A
Rated output current	32 A
Rated voltage	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	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