ChargeLine

Data Sheet
AC Chargers

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This document presents the specifications of the ChargeLine AC Chargers, including both standard configurations and additional specifications.

General

Article Numbers	001-001-000342 – ChargeLine Home 001-001-000343 – ChargeLine MID for ChargePilot 001-001-000344 – ChargeLine Business 001-001-000345 – ChargeLine ERK for ChargePilot
Charger type	IEC 61851-1 AC mode 3
EV plug connection	IEC 62196 Type 2 cable (Home & MID) IEC 62196 Type 2 socket (Business & ERK)
Rated (output) current	16 A (Home & MID) 32 A (Business & ERK)
Rated voltage	230 V AC (1-phase) 400 V AC (3-phase)
Maximum power	11kW (Home & MID) 22kW (Business & ERK)
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 (Home & MID)
User interface	Multicolor LED, buzzer, display, web interface
Intended use	Residential, commercial, and industrial applications

Safety

Current leakage	6 mA DC earth leakage protection
Safety class	Class I
Overvoltage category	Category III

*Available in the future via an over-the-air software update

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Authorization

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

Energy meter

Energy meter class	Class B
Certification	MID certified Eichrecht module B/D certified (Business & ERK)

Environment

Operating temperature	-30 ºC to +50 ºC
Ambient storage temperature	-40 ºC to +85 ºC
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)

*Available in the future via an over-the-air software update

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Supported Protocols

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

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Charging Strategies

Scheduled charging	Locally via web interface Modbus TCP /REST API Over-the-air via OCPP
Dynamic load balancing	Hardwired via CTs Hardwired via Modbus RTU meter Hardwired via Modbus TCP meter (selected types)
Group load balancing**	RS-485 Ethernet
Solar charging	Hardwired via Modbus TCP meter (selected types)
Power limitation	Current slider Local control via Modbus TCP / REST API Household power slider

Installation

Installation location	Indoor and outdoor usage
Mains connection	Permanent mains connection only
Installation type	Stationary equipment. Wall or pole surface mounted

** All ChargeLine chargers can be configured as master or as client.

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