

Technical Datasheet

AC Wall-mounted Charger for Electric Vehicles

ZNV Spot



Semi public parking lots



Communal parking



Private carpark

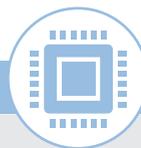


Indoor and Outdoor



Key Features

- **Wall-mounted charger**
- **Easy installation**
- **Static and Dynamic load power balance**
- **Communications 4G / OCPP1.6J / Modbus**
- **Output power 22 kW 3ph and 7,4kW 1ph**
- **Integrated smart energy meter**
- **Mode 3, type 2 or type 1 cable**
- **Authorisation RFID, APP or free-charge mode**
- **Possibility of custom design**



Electrical parameters

Charge mode	Mode 3 according to IEC 61851-1
Input supply voltage	230V 1Ph+N+PE, 50/60Hz 400V 3Ph+N+PE, 50/60Hz
Power output	Up to 7,4 kW (1ph) and up to 22 kW (3ph)
Type of earthing (depends on the installation)	TT by Defect TN for UK
Socket type	Type 2 socket according to IEC62196-2 Socket type 2 according IEC62196-2 with 5m cable
Inbuilt protection	DC leakage detector (6mA) Relays for overcurrent protection
Overvoltage category	OV Cat. III (Requires external Surge Protection Device)
Energy meter	Class B (A) 2 (R) EN 50470-3
Standby consumption	< 1.5 W per phase
Cable feed	Bottom
Cable output	Bottom



User interface

Connectivity	LTE, Ethernet, Bluetooth, RS485
User authentication	RFID MIFARE card reader, APP
	APP ZIV
User interface	LCD screen 22 x 70 mm
	4 buttons
Status indication	2 status LEDs
	1 Energy Pulse LED (kWh)
Communication protocol	OCPP 1.6J
	Bluetooth
	Modbus RTU
	RS485 connector (RJ11)
Connection ports	4 pin male connector (PWM,CP, PP)
	USB C
	RJ45 (ethernet input for models with Modem)



Certificates

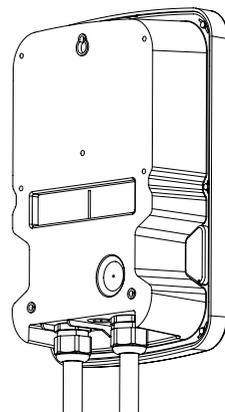
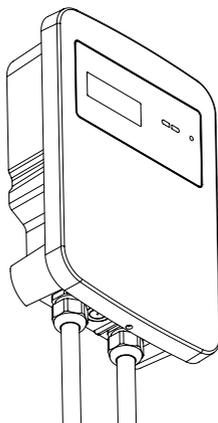
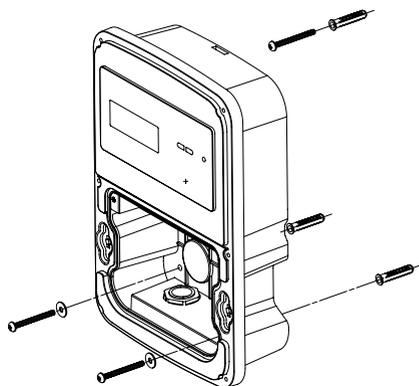
- IEC 61851-1: 2017 Electric vehicle conductive charging system
- IEC 61851-21-2: 2018 Electric vehicle conductive charging system
- IEC 60068-2-1 (Test Ad) Environmental testing
- IEC 60068-2-1 (Test Ad) Environmental testing
- IEC 61439-7: 2018 Low voltage switchgear and control gear assemblies.





Mechanical parameters

Protection degree	IP54, IK08
Insulation	Class I (earth terminal)
Enclosure Material	Plastic
Mounting	Wall or ground using charger pedestal
Operation temperature	From -25°C to 55°C
Storage temperature	85°C
Product dimensions	332 x 229 x 86 mm
Package dimensions	41x28x23cms
Weight	< 2,5 kg
Altitude	<2000m
Relative humidity	5-95% With no condensation
Cable handle (cable support)	Optional



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