# **CH-W-S-A22-P-A 2875290000**

Mode 3 AC EV charging box SMART ADVANCED with a maximum charging capacity of 22 kW at 3-phase (400 V) grid connection, charging switchable from 3- to 1-phase charging, maximum charging current 32 A (Current limit can be set individually), with permantly attached charging cable (5m) and type 2 plug, integrated 6 mA residual current detection (DC), LEDs for status indication, RFID / NFC reader for user authentification, MID compliant energy meter, robust IP54-housing, Installation friendly housing concept for an easy and fast installation, different digital and serial interfaces, integrated mobile communicaton modem (4G/LTE), remote controllable (e.g. via OCPP 1.6 with a backend), networkable (including switch functionality with 2 ethernet ports), updatable, Mobile app for remote control and configuration, dynamic load mangement incl. PV-surplus charging, Powerline-communication with the vehicle

Technical Data

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| *Dimensions and weight:*  Dimensions: 273 x 439 x 167 mm  Net weight: 6.9 kg  *Temperatures and storage:*  Storage temperature: -40 °C … 70 °C  Operating Temperature: -30 °C … 45 °C  Humidity: 5 … 95% rel. humidity  *Performance specification:*  Charge mode: Mode 3 according to IEC 61851-1  Input voltage type: AC  Grid connection: 400 V AC 3-phasig  Max. charging capactiy: 22 kW  Max. Charging current: 32 A (Adjustable in 1 A Steps)  Min. Charging current: 6A  *System requirements:*  Connection system: With attached 5 m cable and type 2 plug  Type of communication to vehicle: Control Pilot (CP),  Proximity Pilot / Plug Present (PP)  Protection class: I  Surge voltage category: III  Pollution severity: 3  *Features:*  Type of status indicator: RGB LED  Welding detection: Yes  Failure shutdown: Yes  Failure Shutdown method: All-pole  Integrated DC residual current protection: 6 mA  Type of residual current detection to be provided by the installation: RCD type A  Mobile App available: Yes  User authentification type: Mobile App, RFID / NFC, Auto-charge  Integrated energy meassuring MID-conform: Yes  Integrated load management: dynamic  Supported protocols: Modbus RTU, Modbus TCP, OCPP 1.6 (J) | *Interfaces*:  WiFi: Yes (2.4 GHz)  Bluetooth module: Bluetooth low energy  Ethernet ports: 2  Digital inputs: 5 (12 V / 6 mA)  Digital outputs: 1 (12 V / 100 mA)  Serial interfaces: RS485  *Assembly:*  Assembly: Wall mounting, stand mounting  *Included in delivery:*  Included in delivery: Drilling template, Instruction sheet, 5 RFID-transponder, Mounting screws, Assembly dowels, cover  *Housing:*  Operating altitude: ≤ 3000 m  Housing main material: PC  Protection degree: IP54  Colour: black, Anthracite, grey  *Approvals and Norms*: IEC 61851-1, IEC 61851-21-2, IEC 62196-1, IEC 62196-2, EN 50620, EN 301 489-1, EN 301 908-1, EN 301 511, EN300 328, EN 300 330 v.2.1.1, EN 62368-1, EN 55011  *Connection data (supply cable)*  Conductor cross-section, max.: 16 mm²  Manfacturer: Weidmüller |