

## EACharger Hub

An intelligent solution for charging points that provides a possibility to charge many EV simultaneously at one place using dynamic load management (DLM) algorithm. It could be implemented in combined AC and DC versions. The main station works as a master, the other connected as slaves.

Main features:

- Several stations combined in one system.
- Balancing power depending on daytime, schedule, current load etc.
- Optimized communication structure.
- Customizable options.



## Datasheet

### General

- Ambient temperature: -40 ... +55°C
- Humidity: 5 ... 95%
- Installation: on the ground
- Enclosure: IP54, IK10, vandal-proof
- Power factor at full load: >0,95
- Efficiency: >94%
- Noise level: <60dB
- Cable length: 5m

### Communication

- Protocols: OCPP, XML, TCP/IP, ModBus RTU, ModBus TCP, NTP
- Interface: GPRS/GSM/CDMA/3G/4G LTE/LAN/RS-485/Wi-Fi/USB/Bluetooth
- Remote control: Full wireless control and monitoring

### Protection

- RCCB Type A (30mA) with RS-485 control
- MCB with RS-485 control
- IMD (Earth leakage detection)
- SPD Class 2 Type2
- PFC at the input (Active harmonic filter)

### Control panel

- Control buttons: START/STOP, Emergency STOP button
- Authorization methods: RFID Reader ISO 14443 A&B MIFARE Classic / MIFARE DESFire
- Visualization: Graphic display and RGB led status
- Payment method: POS terminal, mobile app

### Input parameters

- Input voltage: 3x400V
- Input frequency: 50/60Hz
- Input current: 80A at each 50kW

### Output parameters

- Power: up to 350kW and more
- Charging speed: up to Level 3
- AC output: optional

### DC charging output

- Number of outputs: up to 7
- Output voltage range: 500V
- Charging current: up 400A for each unit
- Plug: CHAdeMO / CCS Combo 2
- Protocol: CAN / PLC

### Documentation

- Installation manual, Service manual, User manual, Passport, Warranty certificate
- Spare Parts Catalogue

### Standards and directives

- Standards IEC 61851-1:2019, IEC 61851-21-2:2021, IEC 61851-23:2014, IEC 61851-24:2014, IEC 62196-3, EN62052-11, DIN SPEC 70121, EN 50160, EN 60204-1
- Directives 2014/30/EU, 2014/35/EU, 2014/53/EU