EACharger AC

EACharger AC is compliant to charging standard Mode 3. Typical places to install: municipal parking lots, road infrastructure, special charging hubs, airports, shopping malls, stadiums etc. EACharger AC is suitable for electric vehicles with Type 2 or Type 1 sockets onboard. Electric power is up to 22kW, could be 3-phase or 1-phase. The charger is equipped with options for public use such as: RFID reader, payment terminal, graphic display etc. It may have 1 or 2 outputs equipped by sockets or cable and connectors.

The design of the station allows to combine them into a hub for collaboration. In this mode EACharger AC uses a dynamic load management (DLM) feature. The maximum possible power is being delivered to chargers according to the algorithm.

Main features:

- Easy to install and operate.
- Upgradable OCPP 1.6 data interchanging protocol.
- Dynamic load management (DLM) algorithm implementation.
- Customizable solution.

General

- Ambient temperature: -40 … +55˚C
- Humidity: 5 … 95%
- Installation: wall mounted or freestanding
- Enclosure: IP54, IK10, vandal-proof

Communication

- Data protocols: OCPP 1.6
- Interface: GPRS/GSM/CDMA/3G/4G LTE/LAN/RS-485/Wi-Fi/USB/Bluetooth
- Remote control: Full wireless control and monitoring

Input parameters

- Input voltage: 3x400V
- Input frequency: 50/60Hz

Protection

- RCCB Type A (30mA) with RS-485 control
- MCB with RS-485 control
- SPD Class 2 Type2

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

AC output parameters

- Charging speed: up to Level 3
- Number of outputs: up to 2
- Protocol: Control Pilot with PWM

Output device options

- Socket(s): Type 2 22kW up to 32A
- Socket(s): Type 1 7.4kW up to 32A
- Cable&connector(s): Type 2 22kW up to 32A
- Cable&connector(s): Type 1 7.4kW up to 32A

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 62196-3, EN62052-11, EN 50160, EN 60204-1
- Directives 2014/30/EU, 2014/35/EU, 2014/53/EU