

ECharger DC-Public

This is a comfortable and elegant solution for road infrastructure, airports, shopping malls, stadiums etc. It supports CCS Combo2, CHAdeMO and AC charging standards. Typical places to install: road infrastructure objects, special charging hubs, airports, shopping malls, stadiums etc. The output power could be chosen with 50kW increment. It is possible to charge up to 2 cars simultaneously. This station is equipped with authorization and payment features: RFID reader, card payment terminal. Robust protective casing is fully prepared for the weather conditions in every climatic zone. The graphic display provides a comfortable communication.

We do understand that ECharger DC-Public will be used by unskilled private persons and we take care about the safety:

- Security at the design level - IP54, vandal proof enclosure
- Protection against electric shock and overvoltage – MCB, RCD type A, IMD, SPD
- Software security - OCPP 1.6, online update
- Scalable power range



General

- Ambient temperature: -40 ... +55°C
- Humidity: 5 ... 95%
- Installation: on the ground
- Warranty: 24 months
- 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
- Charging speed: up to Level 3

AC charging output

- Socket Type2: 22kW 3-phase
- Protocol: Control Pilot with PWM

DC charging output

- Number of outputs: up to 2
- Output voltage range: 500V
- Charging current: up to 400A
- 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