

ECharger DC-Public

Connectors:
 1 x CCS Combo2
 1 x ChaDeMo
 1 x AC Type2 Socket

| General parameters | |
|----------------------------------|--|
| Charging protocols | CAN, PLC 30MHz, Control Pilot with PWM 1kHz |
| Charging speed | Level 3 |
| High level protocol | OCPP 1.6J |
| Energy measurement, output | Smart meter (MID) for each output channel |
| Wire communication interface | Ethernet |
| Wireless communication interface | GSM, Wi-Fi, Bluetooth |
| Backup energy supply | 12V DC integrated power unit |
| Authorization | RFID Mifare 13.56MHz |
| Control panel | Display 4.3", control buttons |
| Emergency stop | Emergency button |
| Overload protection | MCB with remote control |
| Leakage protection | RCCB Type A, RCCB Type B with remote control |
| Overvoltage protection | SPD Class II with temperature monitoring |
| Regulations | CE declaration, 2014/30/EU, 2014/35/EU, 2014/53/EU |

| Housing | 50kW | 100kW | 150kW |
|-------------------------|-----------------------------------|-----------------|-----------------|
| Protection | IP54, IK10 | | |
| Fixation | Standalone with prepared basement | | |
| Application | Indoor or outdoor | | |
| Material | Steel, polymer coating | | |
| Service energy supply | Schuko socket AC 230V 16A inside | | |
| Access to internal room | With key | | |
| Dimensions LxHxW | 1000x1700x515mm | 1000x1700x835mm | 1000x1700x835mm |
| Weight | 300kg | 370kg | 420kg |

| Extra options | |
|----------------------------|--|
| Custom branding | Available according the customer pattern |
| Cable management system | Available by request |
| Payment | POS terminal (contact + contactless) |
| Extended cable (normal 4m) | Options: 5m, 6m, 7.5m |
| Input energy meter | Available by request |
| Remote management | Remote monitoring and control |
| AC output power | 44kW (63A) instead 22kW |
| AC connector | Connector with cable instead socket |

| Simultaneous charging | 50kW | 100kW | 150kW |
|---|----------------------------|------------------------|-------------------------|
| AC Type2 | Always independent from DC | | |
| Proportions CCS Combo2 / ChaDeMo (others are available by request) | 0/50 50/0 | 0/50 50/50 100/0 | 0/50 100/50 150/0 |

| Datasheet | 50kW | 100kW | 150kW |
|----------------------------------|--|------------------------------|------------------------|
| Operating temperature | | -40 ... +50°C | |
| Humidity | | 5 ... 95% RH Non-condensing | |
| Operating altitude | | Max. 2000m | |
| Power supply | | 50/60Hz, 3 x 400V ±5%, PE, N | |
| Consumption power | 77kVA | 130kVA | 185kVA |
| Active harmonic filter | | <5% THD (SAPF technology) | |
| Charging mode DC | | Mode 4 | |
| Charging mode AC | | Mode 3 | |
| Input cable cross-section | 16-150 mm ² | 35-150 mm ² | 70-150 mm ² |
| Efficiency | | Min. 94% | |
| Power factor | | Min. 0.96 | |
| CCS Combo2 voltage range | | 100-500 V | |
| CCS Combo2 max. charging current | 125A | 160A | 240A |
| ChaDeMo voltage range | | 100-500 V | |
| ChaDeMo max. charging current | | 125A | |
| AC Type2 output | Type2 Socket 3p 22kW (32A) with locking mechanism | | |
| Charging standards | IEC 61851-1, IEC 61851-22, IEC61851-23, IEC 61851-24, EN 61643-11, IEC 62196-2, IEC 62196-3, CCS Combo, EN62052-11, EN62053-21, EN62053-23, EN61010-1, ISO 15118, DIN SPEC 70121, EN 50160 | | |
| Ordering code | 50DC-AF-P T2-500V | 100DC-AF-P T2-500V | 150DC-AF-P T2-500V |

