



Chago Pro and Chago Premium EVF200/100 and EVC200/100



Alfa Power
Quarry Court
Morley
Leeds
West Yorkshire
LS27 0BY
Tel: 0113 335 1765
www.alfapower.co.uk

Technical Information

Electrical connections

| | |
|----------------------------------|--|
| Nominal voltage | 230 Vp-n / 400 Vp-p |
| Nominal current | 2x 32 A (Mode 3 socket) On EVF as Option and on EVC: 2 x 16A (Domestic socket) Only either Mode 3 or Domestic socket can be in use at the time |
| Nominal frequency | AC 50 Hz |
| Rated power supply | EVF100: • 22kW: 1x 3x32A EVF200: • 22kW per charging outlet: 2x 3x32A EVC100: • 22kW 1x 3x32A EVC200: • 22kW per charging outlet: 2x 3x32A Optionally: • Dynamic load management (DLM) based on available power supply • Static current limitation |
| Supply connections and terminals | L1, L2, L3, N, PE Cu 2.5 - 50 mm ² , Al 6 - 50 mm ² Tightening torque Nm: 4 Nm (2.5 - 4 mm ²), 12 Nm (6 - 50 mm ²) |

Design and mechanics

| | |
|-----------------------------|---|
| Material / color | EVC Acid proof brushed steel EVF Painted aluminum and stainless steel Two basic colors: • RAL9016S "Traffic White" • RAL7021 "Anthracite" |
| Enclosure class | IP54 |
| IK class | IK10 |
| Operating temperature | -30 ... +55 °C |
| Directive | LVD directive 2006/95/EC EMC 2004/108/EC RoHS 2011/65/EC |
| Standard | EN61439-1 EN61439-3 |
| Operation and communication | according to IEC 61851-1 |
| Approvals / Markings | CE |

Features

| | |
|----------------------------------|--|
| No. of simultaneous users | EVF100: 1 user EVF200: 2 users EVC100: 1 user EVC200: 2 users |
| Connection to car | Default: Mode 3 charging, Type 2 / Type 3 Option: Mode 2 charging, Type F / E / G |
| Lockable lid for Mode 3 socket | EVC product only |
| Lockable lid for Domestic socket | Option for EVF products |
| Charging status indication | LED: <ul style="list-style-type: none"> • Blue = Charging • Green = Available • Red = Malfunction |
| User access & control | Standalone mode: <ul style="list-style-type: none"> • Default: Free use, RFID Online mode: <ul style="list-style-type: none"> • Option: RFID reader (ISO/IEC 1443A / B, ISO/IEC 15693) • Option: Mobile like SMS, call, app (through communication interfaces) • Option: Remote control (through communication interfaces) |
| Energy measurement | Default: Current transformers (per charging point) Option: MID class kWh metering (per charging point) |

Safety features

| | |
|--|--|
| Over-current protection (MCB) | Default |
| Residual current protection (RCD) | Default: Type A (30mA AC) Option: Type B (6mA DC) |
| Automatic reset of RCD and RCD remote test | Option |
| Automatic release for Mode 3 socket in case of sudden power outage | Option |
| Surge, overvoltage protection | Option |
| Low control voltage 12 VDC | Default |

Connectivity and Communication

| | |
|---------------|---|
| Connectivity | Default: GSM (3G) Option: Ethernet |
| Communication | Default: OCPP 1.5 or OCPP1.6, both fully implemented. |