

Residential FusionCharge AC



Single Phase

7.4 kW/32 A

AP07N-EU

Three Phase

22 kW/32 A

AP22N-EU



PV Power Preferred ¹

Power Your Car Completely with Solar
Make EV Even Greener



Automatic Phase Switch ²

Automatic Switch between 1 Phase and 3 Phase
More Usable Green Power



All on a Single App

Full Control Through One App
Cable E-Lock for Anti-theft



Dynamic Charging Power

Automatic Detection and Adjustment
No Worry about Overload



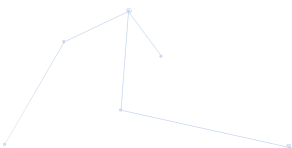
3-Step Installation

Fast Installation in 16 Minutes
Wiring-free Maintenance



Auto-Authentication

Bluetooth Auto-authentication Before Charging



FusionCharge AC
Technical Specifications

| Technical Specification | AP07N-EU | AP022N-EU |
|---|---|------------------------------|
| Inputs and Outputs | | |
| Charge power (configurable) | 1.4 kW to 7.4 kW | 1.4 kW ⁴ to 22 kW |
| Nominal voltage | 230 V (1-phase) ± 20% | 400 V (3-phase) ± 20% |
| Nominal current (configurable) | 6–32 A (1-phase) | 6–32 A (3-phase or 1-phase) |
| Nominal frequency | 50 Hz/60 Hz ± 1 Hz | |
| Vehicle connection | Type 2 socket | |
| Cable width | Up to 10 mm ² | |
| Network types | TN, TT, IT | TN, TT |
| User Interface & Communications | | |
| Protocol | Modbus TCP | |
| Communication | Wi-Fi/Ethernet | |
| Charger status information | WRGB LED, App | |
| Authentication | RFID (ISO-14443-A), Bluetooth, App | |
| Remote control & monitoring | App | |
| Working mode | Normal Charge Scheduled Charge PV Power Preferred | |
| Protection | | |
| Cable protection | Cable E-Lock via App | |
| Residual current protection (RCD) | Type A + DC 6 mA integrated (IEC 62955 & IEC 61008-1) | |
| Fire Class | UL94 | |
| Overcurrent protection | IEC 61851-1 | |
| Over-temperature protection | Yes | |
| Surge protection | CAT II | |
| General Specifications | | |
| Operating temperature range | -35°C to +45°C | -35°C to +40°C |
| Application environment | Outdoor/Indoor | |
| Storage temperature | -40°C to +70°C | |
| Relative humidity | 5% RH–95% RH | |
| Altitude | ≤ 2000 m | |
| Dimensions (H x W x D) | 335 mm x 180 mm x 145 mm | |
| Weight | 3 kg | 3.1 kg |
| Installation mode | Wall-mounted | |
| IP rating | IP54 | |
| Impact protection level | IK10 | |
| Standby self-consumption | < 6 W | |
| Standards Compliance (More Available Upon Request) | | |
| Standard | EN 61851-1 2019, IEC 62955:2018, IEC 61008-1 2010, IEC/EN 62196-1 | |
| Others | | |
| Accessories | RFID Card * 2 | |

*1 After 1 year free trial, it need to be activated by paid on APP.

*2 Available in Green Power Preferred Mode

*3 Available after Q4, 2022

*4 1.4 kW for 1-Phase Models and 4.2 kW for 3-Phase Models



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