# AC EV Charger Datasheet

**VAS-7-G2**
**VAT-11-G2**
**VAT-22-G2**

## Description

Hoymiles AC EV Charger can be connected to the Hoymiles energy storage inverter to form a PV, ESS, and EV Charger integrated solution, providing users with a whole home green power solution.

It is characterized by green power priority, scheduled charging, RFID, free charge, and dynamic load management, meeting different charging demands.

S-Miles monitoring platform allows users to remotely check, diagnose, and track the power consumption of the PV, ESS, and EV Charger integrated system, maximizing green power utilization.

## Features

**01** Intelligent control and data tracking available on the S-Miles App

**02** Support multiple charging modes, including green power mode

**03** Intelligent start-stop through RFID, free charge, or App

**04** PV-ESS-EV solution supports dynamic load management to avoid overload and meet electricity demand

**05** Excellent industrial design brings a pleasant user experience

**06** IP65 and IK10 protection degree suitable for both indoor and outdoor installation

# Technical Specifications

| Model | VAS-7-G2 | VAT-11-G2 | VAT-22-G2 |
|---|---|---|---|
| **General Information** | | | |
| Charging mode | Mode 3 (IEC 61851-1) | | |
| Input/output power rating (kW) | 7 | 11 | 22 |
| Max. input/output current (A) | 32 | 16 | 32 |
| Input/output voltage rating (V) | 230±10% | 400±10% | |
| Rated frequency (Hz) | 45-65 | | |
| Grid form | L/N/PE | 3L/N/PE | |
| Supported grid type | TN-S, TN-C-S, TT, IT (L1 + L2 230 Vac single-phase) | | |
| Charging interface | IEC 62196-2 Type 2 tethered plug (Case C) | | |
| Residual current protection | DC 6 mA | | |
| Protection | Overcurrent, overvoltage, undervoltage, residual current, overtemperature, grounding fault (optional), integrated surge protection | | |
| **User Interface** | | | |
| Display and support languages | No display | | |
| Status indication | LED indicator | | |
| Button and switch | Emergency stop button | | |
| User authentication | RFID card | | |
| RFID reader | IEC 14443 A | | |
| **Communication** | | | |
| Network Interface | RS485 | | |
| Protocol (EVSE and EV) | Control pilot | | |
| **Environmental Information** | | | |
| Operating temperature (°C) | -30 to +50 | | |
| Storage temperature (°C) | -40 to +85 | | |
| Humidity | 5% to 95%, no condensing | | |
| Altitude (m) | ≤3000 | | |
| **Mechanical Information** | | | |
| Dimensions (W × H × D [mm]) | 280 × 280 ×148 (without pole)<br>280 × 1210 ×201 (with pole) | | |
| Weight (kg) | Approx. 3.75 | | |
| Installation | Wall mounting; pole mounting (pole is optional) | | |
| IP rating | IP65 | | |
| IK rating | IK10 | | |
| Cooling | Natural convection | | |
| Charging cable length (m) | 5 | | |
| **Certifications and Standards** | | | |
| Standards and compliance | IEC 61851-1, IEC 61851-21-2, LVD 2014/35/EU, RED 2014/53/EU, IEC 62955 (RCD), RoHS 2.0, REACH | | |
| Certification | CE-RED, CB | | |