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	**04** PV-ESS-EV solution supports dynamic load management to avoid overload and meet electricity demand
02 Support multiple charging modes, including green power mode	**05** Excellent industrial design brings a pleasant user experience
03 Intelligent start-stop through RFID, free charge, or App	**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) 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		