



Smart EV Charger G2

X1-HAC-4 / X1-HAC-7

X3-HAC-11 / X3-HAC-22



High Efficiency

- Capable of 100% green energy
- Automatic switch between one and three-phase



Assured Safety

- Current leakage protection (30mA AC & 6mA DC)
- Smart dynamic load balance control



Intelligent Design

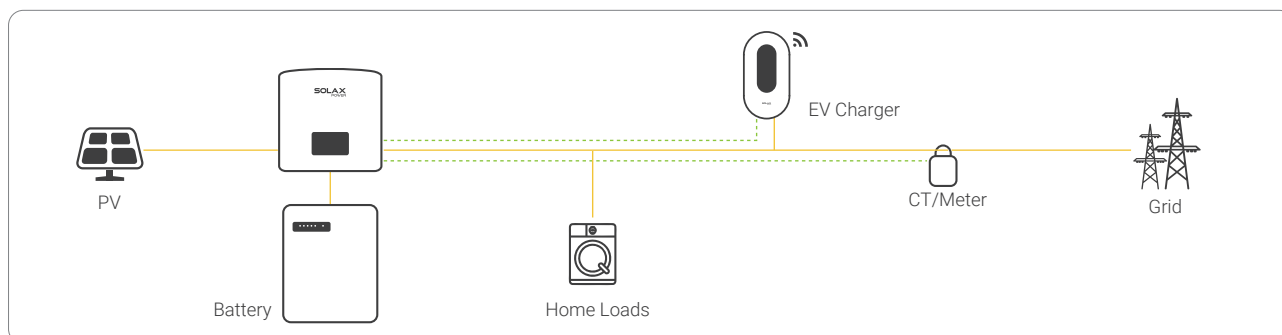
- RFID management function
- Schedule time charging



Flexible Adaptability

- Integrate with new/existing PV systems
- Support multiple communication protocols

Solutions



X1-HAC-4		X1-HAC-7		X3-HAC-11		X3-HAC-22		
AC NOMINAL INPUT								
Voltage	230 V		230 V		400 V		400 V	
Frequency	50 Hz / 60 Hz		50 Hz / 60 Hz		50 Hz / 60 Hz		50 Hz / 60 Hz	
Grid earth type	TN, TT, IT		TN, TT, IT		TN, TT, IT		TN, TT, IT	
AC NOMINAL OUTPUT								
Voltage	230 V		230 V		400 V		400 V	
Current	6-20 A (single phase)		6-32 A (single phase)		6-16 A (single phase or three phase)		6-32 A (single phase or three phase)	
Power	1.4 ~ 4.6 kW		1.4 ~ 7.2 kW		1.4 ~ 11 kW		1.4 ~ 22 kW	
INTERFACE & COMMUNICATION								
Communication interface	WiFi / Ethernet / 4G (Optional) / RS 485 × 2							
Protocol	OCPP 1.6j, Modbus TCP, Modbus RTU, Cloud API							
Communicate	IEC 61851-1, ISO 15118 (Optional)							
Authentication	Plug & Charge / RFID (ISO-14443-A) / APP							
MID meter	External (Optional)							
HMI	RGB LED / APP / LCD (Optional)							
Remote control	APP & Web							
Applicatio	Residential / Destination place / Public							
GENERAL DATA								
Housing material	PC							
Installation method	Wall / Pedestal (optional)							
Charging outlet	Type2 Plug / Type2 Socket (IEC 62196)							
Cable length	6.5 m (Type P)							
Operating temperature	-30 ~ 50°C							
Storage temperature	-40 ~ 60°C							
Working humidity	5% ~ 95% without condensation							
Working altitude	2000 m							
Degree of protection	IP65 (For plug type) / IP54 (For socket type) IK10 (Housing) / IK08(Screen)							
Cooling method	Nature cooling							
Application site	Indoor / Outdoor							
Weight	5 kg for Plug Type		3 kg for Socket Type 5 kg for Plug Type		3 kg for Socket Type 6.5 kg for Plug Type		3 kg for Socket Type 6.5 kg for Plug Type	
Dimension (W x H x D)	390 × 206 × 139 mm							
SECURITY PROTECTION								
Multiple protection	Over/Under voltage protection, Overload protection, Shortcircuit protection, Current leakage protection, Grounding protection, Surge protection, Overtemperature protection							
Integral earth leakage protection	Integrated current failure monitoring (30 mA AC & 6 mA DC)							
Cable protection	Cable Lock (APP control)							
Relay protection	Relay weld detection							
Built-in PEN fault technology	According to BS 7671:2018 requirements ^①							
Standard	IEC 61851-1:2017, IEC 62196-2:2016							

① Only for chargers sold in the UK region