EV Charger



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 single and three phases
- Maximizing surplus green energy utilization in a zero-export system

Assured Safety

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

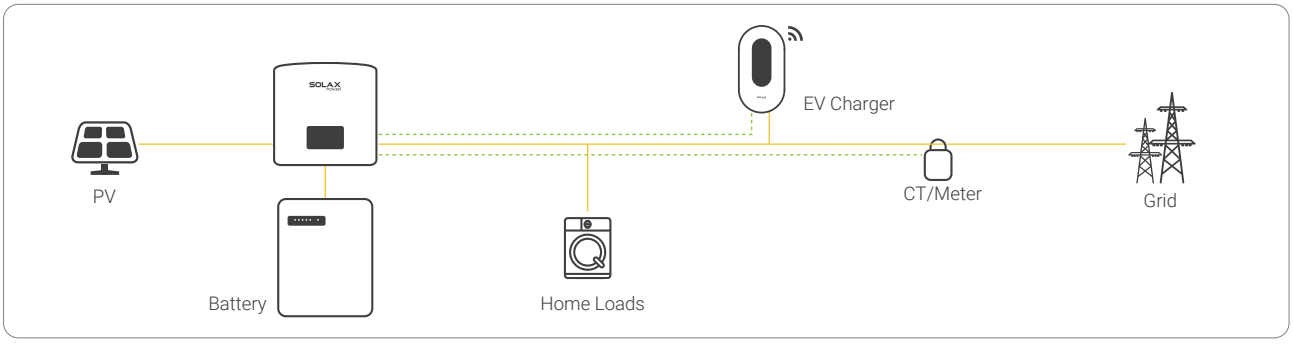
Intelligent Design

- Smart RFID management function
- Smart APP remote control

Flexible Adaptability

- Selectable plug or socket outlet
- Easy indoor and outdoor installation
- Supporting multiple communication protocols

Solutions



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*V1.5 Information may be subject to modify without notice. 650.00067.00

	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
Grounding 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 phases)	6-32 A (single phase or three phases)
Power	1.4 ~ 4.6 kW	1.4 ~ 7.2 kW	1.4 ~ 11 kW	1.4 ~ 22 kW
INTERFACE & COMMUNICATION				
Communication interface	Wi-Fi / Ethernet / 4G (optional) / RS 485 × 2			
Protocol	OCPP 1.6j, Modbus TCP, Modbus RTU, Cloud API			
Communication	IEC 61851-1			
Authentication	Plug & Charge / RFID (ISO-14443-A) / APP			
MID meter	External (optional)			
HMI	RGB LED / APP / LCD (optional)			
Remote control	APP & Web			
Application	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)			
Operation temperature	-30~50°C (without screen) / -25~50°C (with screen)			
Storage temperature	-40 ~ 60°C			
Operation humidity	5% ~ 95% RH (non-condensing)			
Max. operation altitude	2000 m			
Degree of protection	IP65 (plug type) / IP54 (socket type) IK10 (housing) / IK08 (screen)			
Cooling method	Natural 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 × H × D)	206 × 390 × 139 mm			
PROTECTION				
Multiple protection	Over/Under voltage protection, Overload protection, Shortcircuit protection, Current leakage protection, Grounding protection, Surge protection, Overtemperature protection			
Theft protection	Support theft protection with a padlock			
Integral earth leakage protection	Integrated current failure monitoring (30 mA AC & 6 mA DC)			
Cable protection①	Cable lock (APP control)			
Relay protection	Relay weld detection			
Built-in PEN fault technology	According to BS 7671:2018 requirements②			
Standards	IEC 61851-1:2017, IEC 62196-2:2016, ISO 15118-2:2014, ISO 15118-20:2022 *			

① Only for socket type
② Only for chargers sold in the UK region

* Except for configurations without PLC board