

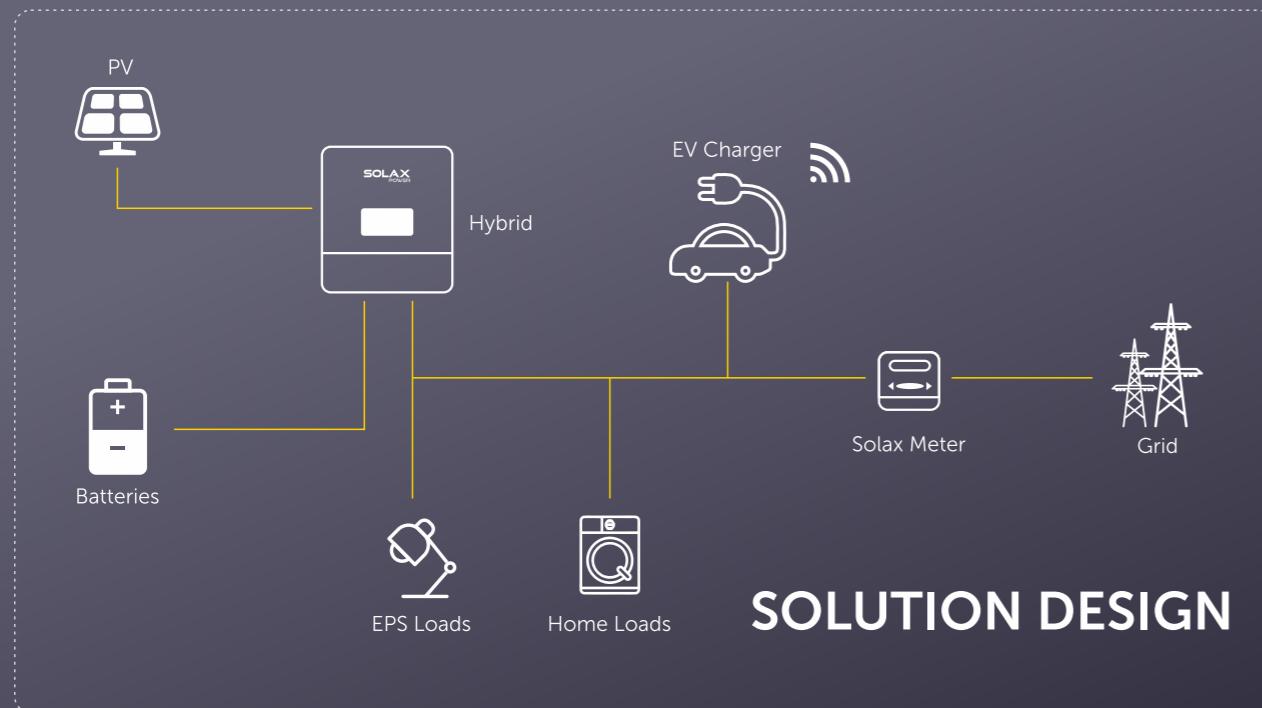
SMART EV CHARGER

X1-EVC7.2K
X3-EVC11K / X3-EVC22K



Features

- Type 2 connector cable
- Multi protection and integrated Type A RCD Protection
- Visualization of operating status with LED and LCD (Optional)
- Wide operation temperature range
- Indoor or outdoor easy installation and integration into SolaX-storage systems
- Multi work mode (ECO Fast work mode and charging time setting etc)
- Integrated RFID function (optional)
- Remote setting and monitoring with APP and website
- Smart Dynamic load balance control



SMART EV CHARGER

Specification	X1-EVC7.2K	X3-EVC11K	X3-EVC22K		
AC Nominal Input	Phases/Lines	Single Phase/L1+N+PE	3 Phase/L1+L2+L3+N+PE	3 Phase/L1+L2+L3+N+PE	
	Voltage [V]	230±10%	400±10%	400±10%	
	Frequency [Hz]	50/60	50/60	50/60	
	Voltage [V]	230±10%	400±10%	400±10%	
AC Nominal Output	Current [A]	32	16	32	
	Power [kW]	7.2	11	22	
	Wi-Fi or 4G LTE	YES	YES	YES	
	RS485	YES	YES	YES	
Interface	RFID	Option	Option	Option	
	MQTT	YES	YES	YES	
	OCPP 1.6 (JSON)	YES	YES	YES	
	LCD Screen	Option	Option	Option	
	CT Clamps	X1 CT	X3 CT	X3 CT	
	Housing Material		Plastic/Metal		
	Installation Method		Wall-mount		
	Wall-mount Bracket		Not necessary		
	Charging Outlet		One charging gun(Type 2)/Socket-outlet		
	Cable Length [m]		5		
General Data	Operating Temperature [°C]		- 30~ + 50		
	Working Humidity [%]		5%~95% without condensation		
	Working Altitude [m]		<2000		
	Degree of Protection		IP54		
	Application Site		Indoor/Outdoor		
	Cooling Concept		Natural cooling		
	Dimensions (mm)		249x142x370		
	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 Integral	30mA Type A RCD (EN 61008) + 6mA DC protection (EN 62955)		
		Encrypted Communication	TLS		
Safety Standard		IEC 61851-1:2017, IEC 62196-2:2016			
Built-in PEN fault technology		YES			
Advanced Functions	Warranty [years]	5			
	Charging Mode	<p>ECO Mode: The charge power is continuously adjusted, in response to changes in generation or powerconsumption elsewhere in the home, thereby minimising the use of grid power. There are six levels in the ECO Mode. From the first to the sixth level, the range of the EV charging current is from 0A to rated current, the EV may stop charging if the available surplus power falls below 1.4kW (4.2kW for 3phase). In the other five levels, the available surplus power falls below the fixed value of power, such as 1.4kW (4.2kW for 3phase), the shortfall will be drawn from the grid at any time.</p> <p>Fast Mode: Will charge the EV at the fastest rate and will import grid electricity if there is insufficient surplus generated power.The max charging power will be the minimum value of the rated power and the current permitted power.</p>			
	Smart Boost	The Smart Boost function will charge the EV with a minimum kWh figure by a set time. Smart Boost is available only in ECO mode.			
	Boost Timer	When using ECO or Green charge modes, EV charger can be programmed to 'boost' the current charge at certain times. When boosting, the charge rate is set to maximum (just like FAST mode), regardless of the amount of available surplus power. This means that power may be drawn from the mains grid supply during boost times.			
Dynamic load balancing		<p>Enable: Full dynamic load balancing allows you to charge as fast as possible at your charging mode,protects the main fuse and ensures that you can use your electricity wherever it's needed.</p> <p>Disable: Allowed charging at max current in the charging period.</p>			
	Smart gateway support	YES			