

Sigen EVAC Charger

- 100% Green power charging with Sigenergy home energy solution
- IP65 & IK10 protection rating, worry-free outdoor usage with easy O&M
- Dynamic load management to prevent overload, user-friendly charging*
- Easy installation with less steps and top/bottom/rear wiring option
- Enable dynamic tariff & Sigen AI mode for smarter scheduling



Sigen EV AC Charger 7 / 11 / 22 kW

Sigen EVAC	7	11	22	Units			
AC Input & Output							
Nominal charging power	7	11	22	kW			
Nominal output voltage	220 ~ 240 1W+N+PE	220 ~ 240 / 380 ~ 415 3W+N+PE	220 ~ 240 / 380 ~ 415 3W+N+PE	V			
Output current range	6 ~ 32	6 ~ 16	6 ~ 32	A			
Nominal AC frequency		50 / 60		Hz			
Vehicle connection	Type 2 connector / Type 2 socket with shutter						
AC input cable width range	2.5 ~ 6.0			mm ²			
Protection							
Integrated RCD-PD fault detection ¹	AC 30 mA + DC 6 mA						
Flame retardant rating	UL94-5VB						
Safety protection	OVP, UVP, OCP, OTP						
PEN protection	Supported						
Randomized charging delay	Supported						
Ground fault protection	Supported						
Surge protection	Supported						
Grounding system	TT, TN, IT						
User Interface & Communication							
Protocol	RS485, Modbus RTU						
Communication	4G / WLAN / Fast Ethernet						
Authentication	RFID card / App / Auto-charge (no authentication)						
Display	LED indicator / App						
Smart Charging ²	Smart Schedule	Schedule your charging time, charging frequency and charging mode which switching between PV surplus charging and Fast charging.					
	PV Surplus Charging	Enable EV charging energy from PV surplus power with Battery boost power priority setting as well as the Battery cut-off SOC setting					
	Fast Charging	The system draws power from the grid and PV simultaneously for the fastest charging speed and also supports additional Battery Boost Charging.					
Metering	External meter with RS485 / Integrated metering IC						
Dynamic load management ³	Supported						
Phase switching	Supported						
Third-parties inverter							
PV surplus charging ³	Supported						
OCPP protocol	OCPP 1.6J ED 2						
General Data							
Dimensions (W / H / D)	234 / 384 / 139			mm			
Weight (case B / case C)	4.5 / 6.4			kg			
Storage temperature range	-40 ~ 70			°C			
Operating temperature range	-30 ~ 55			°C			
Relative humidity range	5% ~ 95%						
Max. operating altitude	4000			m			
Cooling	Natural convection						
Ingress protection rating	IP65						
Installation method	Wall-mounted						
Application environment	Outdoor / Indoor						
Standby self-consumption	< 3.6			W			
Standard charging cable length	5			m			
Cable entries	Bottom, Top and Rear cable entries						
Standard Compliance							
Standard ⁴	EN IEC 61851-1, IEC 62955, EN IEC 61851-21-2, ETSI EN 300 330 V2.1.1, ETSI EN 301 511 V12.5.1, EN IEC 62311, EN50665, ETSI EN 300 328 V2.2.2, EN 18031-1						

1. Residual direct current protective device (RDC-PD) with integrated AC pulsating DC and 6mA DC detection, evaluation and mechanical switching in the Sigen EV AC Charger is tested according to IEC 62955.
2. This function needs to be used with SigenStor.
3. This function needs to be used with Sigen Power Sensor.
4. For all standards refer to the certificates category on the Sigenergy website.

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