

Sigen EVAC Charger

- 100% Green power charging with Sigenenergy 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

Type2 socket with shutter



Type2



*This function needs to be used with Sigen Power Sensor.

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	1P/N/PE, 220 ~ 240	3P/N/PE, 220 ~ 240 / 380 ~ 415	3P/N/PE, 220 ~ 240 / 380 ~ 415	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 DC fault detection ¹		6		mA
Integrated AC fault detection ¹		30		mA
Flame retardant rating		UL94-5VB		
Over / Under voltage protection		Supported		
Overload protection		Supported		
Over temperature protection		Supported		
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	Smart Schedule	The system supports setting the charging start and stop times, charging frequency, and charging mode. Each scheduled time slot allows the charging mode to be set separately between PV Surplus charging and Fast Charging. The system uses PV Surplus to charge EVs, enabling 100% green power.		
	PV Surplus Charging	It also supports Battery Boost Charging with cut - off SOC setting, as well as Grid Charging. Moreover, it has the function of prioritizing Surplus PV power.		
	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		
OCPP protocol		OCPP 1.6J ED 2		
General Data				
Dimensions (W / H / D)		234 / 384 / 126		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
Standard Compliance				
Standard ⁴		EN IEC 61851-1, IEC 62995, 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		

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 Sigenenergy website.

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