

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	ıı	22	Units
AC Input & Ou	utput				'
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	Α
Nominal AC frequency			50 / 60		Hz
Vehicle connection		Tvr	pe 2 connector / Type 2 sock	et with shutter	
AC input cable width range		2.5 ~ 6.0			mm²
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			
	e & Communicat	tion	.,,.,,		
Protocol			RS485, Modbus RTU		
Communication		4G / WLAN / Fast Ethernet			
Authentication		RFID card / App / Auto-charge (no authentication)			
Display		LED indicator / App			
Display					
	Smart Schedule	Schedule your charging time, charging frequency and charging mode which switching between PV surplus charging and Fast charging.			
Smart Charging ²	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
Standard chargine	Cable entries		Bottom, Top and Rear cable entries		
		DU	ttorri, rop aria itoar cabic cri	111103	
Cable entries	mpliance	ВО	ttorri, rop and iteal easie en	unes	
	mpliance		C 62955, EN IEC 61851-21-2, ET:		

^{1.} Residual direct current protective device (RDC-PD) with integrated AC pulsating DC and 6mA DC detection, evalution and mechanical switching in the Sigen EV AC Charger is tested according to IEC 62955.

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^{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.