New

Sigen EVAC Charger 2

Next-Level Residential Charging

- V2X bidirectional charging for reliable home backup power [6]
- Surplus solar charging with Sigenergy home energy solutions
- Dynamic tariffs and Sigen AI mode for smarter scheduling

Also for Commercial Charging Stations

- MID-compliant metering with AFIR-ready and ISO 15118 support
- LED display with real-time info and dynamic QR code payments
- Sigenergy ESS integration for expansion without grid overload
- Supports up to 100 chargers with dynamic station load management



Sigen EV AC Charger 2 7 / 11 / 22 kW

Sigen EVAC 2		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		4.0 ~ 16.0			mm^2
Protection					
Integrated residual current protection device [1]		Type A RCD + DC 6mA RDC-PD			
Flame retardant rating		UL94-5VB			
Safety protection		OVP, UVP, OCP, OTP			
Randomized charging delay		Supported			
Fault ride through protection		UVRT, OVRT, UFRT, OFRT, Islanding protection			
Grounding system		TT, TN, IT			
User Interface & Communication					
Protocol		RS485, Modbus RTU			
Communication		4G / WLAN / Fast Ethernet / Sub1G			
Authentication		RFID card / App / Auto-charge (no authentication)			
Display		Color display / 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		Class B MID Certified integrated Active Energy Meter [3]			
Dynamic load management [4]		Supported			
Phase switching		Supported			
Third-parties inverter PV surplus charging [4]		Supported			
OCPP protocol		OCPP 1.6J ED 2			
General Data					
Dimensions (W / H / D)		213 / 358 / 135.5			mm
Weight		4 kg (Type 2 socket with shutter) / 6.2 kg (Type 2 connector, 5 m cable) / 7.4 kg (Type 2 connector, 7.5 m cable)			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 / Pedestal-mounted			
Application environment		Outdoor / Indoor			
Standby self-consumption		5			W
Standard charging cable length		5 / 7.5			m
Cable entries		Bottom and Rear cable entries as well as Top dedicated cable routing path			
Standard Compliance					
Standard [5]		EN IEC 61851-1, IEC 62955, EN IEC 61851-21-2, EN 18031-1, EN IEC 61439-7, EN 50470-3, Grid code regulation (Including new VDE-AR-N 4105:2026, VDE-AR-N 4100:2026 and OVE-Richtline R37:2024)			

1. Type A residual current protective device tested according to IEC 61008-1. Residual direct current protective device (RDC-PD) with integrated AC pulsating DC and 6mA DC detection, evalution and mechanical switching in the Sigen EVAC Charger 2 is tested according to IEC 62955.
2. This function needs to be used with SigenStor.
3. MID certification is currently in preparation. For more information, please contact Sigenergy directly.
4. This function needs to be used with Sigen Power Sensor.
5. For all standards refer to the certificates category on the Sigenergy website.
6. V2X availability depends on vehicle compatibility, system configuration, and local regulations. Please confirm compatibility with Sigenergy before purchase and installation. For Sigen EVAC 2 Type 2 socket with shutter series products, please purchase the Sigen EVAC 2 V2X Cable to enable V2X functionality.

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