SIGENERGY

Sigen EV AC Charger

- Green power charging with Sigenergy home energy solution
- Data tracking & scheduled charging on mySigen APP
- Dynamic load management to prevent overload, user-friendly charging*
- Easy installation with less steps and top/bottom entry option
- Integrated residual current failure protection reduces installation costs
- IP65 and wall/pole-mounted installation provide high adaptability

* Only works with Sigenergy home energy solution or additional Sigen Power Sensor

www.sigenergy.com

Sigen EV AC Charger 7.0 / 11.0 / 22.0 kW

Preliminary

Sigen EVAC	7.0	11.0	22.0	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 1 connector / Type 2 connector / Type 2 socket / Type 2 socket with shutters			
AC input cable width range	2.5 ~ 10.0			mm^2
Protection				
Integrated DC fault detection	6			mA
Integrated AC fault detection	30			mA
Flame retardant rating	UL94-V0			
Over / Under voltage protection	Supported			
Overload protection	Supported			
Over temperature protection	Supported			
PEN protection	Supported			
TIC electricity meter interface	Supported			
Randomized charging delay	Supported			
Ground fault protection	Supported			
Surge protection	Supported			
Grounding system	TT, TN, IT			
User Interface & Communication				
Protocol	Modbus TCP			
Communication	4G / Wi-Fi / Bluetooth / Ethernet			
Authentication	RFID card / APP / Auto-charge (no authentication)			
Display	LED indicator / APP			
Charging mode	Standard charging / Scheduled charging / Solar boost charging			
Metering	External meter with RS485 / Integrated metering IC			
Dynamic load management	Supported			
Phase switching	Supported			
General Data				
Dimensions (W / H / D)	210 / 380 / 150			mm
Weight	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 / Pole-mounted (optional)			
Application environment	Outdoor / Indoor			
Standby self-consumption	< 3.6			W
Integrated charging cable length	5 / 7.5			m