

# 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

# Sigen EV AC Charger 7 / 11 / 22 kW

Sigen EVAC	7	11	22	Units
<b>AC Input &amp; Output</b>				
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 <sup>2</sup>
<b>Protection</b>				
Integrated DC fault detection <sup>1</sup>		6		mA
Integrated AC fault detection <sup>1</sup>		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		
<b>User Interface &amp; Communication</b>				
Protocol	RS-485, Modbus RTU			
Communication	4G / WLAN / Fast 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			
<b>General Data</b>				
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
<b>Standard Compliance</b>				
Standard <sup>2</sup>	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. For all standards refer to the certificates category in the Sigenenergy website.