

# Sigen EV AC Charger



- Green power charging with Sigenenergy 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 Sigenery website.