



Sigen EV AC Charger



- Green power charging with Sigen energy 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 Sigen energy home energy solution or additional Sigen Power Sensor

www.sigenenergy.com

Sigen EV AC Charger 7 / 11 / 22 kW

Preliminary

Sigen EVAC	7	11	22	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 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 / 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		
General Data				
Dimensions (W / H / D)		234 / 384 / 126		mm
Weight		6.5		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		m