

# Sigen EVAC Charger for UK market

- Built-in PEN breaker, compliant with UK local regulations
- 100% Green power charging with Sigen energy solution
- IP65 & IK10 protection rating, worry-free outdoor usage with easy O&M
- Dynamic load management to prevent overload, user-friendly charging\*
- Easy installation with less steps and top/bottom/rear wiring option
- Enable dynamic tariff & Sigen AI mode for smarter scheduling

Type2 socket with shutter



Type2



\*This function needs to be used with Sigen Power Sensor.

# Sigen EV AC Charger 7 / 11 / 22 kW for UK market

Sigen EVAC	7	11	22	Units
<b>AC Input &amp; Output</b>				
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	2.5 ~ 6.0			mm <sup>2</sup>
<b>Protection</b>				
Integrated RCD-PD fault detection <sup>1</sup>	AC 30 mA + DC 6 mA			
Flame retardant rating	UL94-5VB			
Safety protection	OVP, UVP, OCP, OTP			
PEN protection	Built-in PEN broken protection			
Randomized charging delay	Supported			
Ground fault protection	Supported			
Surge protection	Supported			
Grounding system	TT, TN, IT			
<b>User Interface &amp; Communication</b>				
Protocol	RS485, Modbus RTU			
Communication	4G / WLAN / Fast Ethernet			
Authentication	RFID card / App / Auto-charge (no authentication)			
Display	LED indicator / App			
Smart Charging <sup>2</sup>	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	External meter with RS485 / Integrated metering IC			
Dynamic load management <sup>3</sup>	Supported			
Phase switching	Supported			
Third-parties inverter PV surplus charging <sup>3</sup>	Supported			
OCPP protocol	OCPP 1.6J ED 2			
<b>General Data</b>				
Dimensions (W / H / D)	234 / 384 / 139			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
Cable entries	Bottom, Top and Rear cable entries			
<b>Standard Compliance</b>				
Standard <sup>4</sup>	EN IEC 61851-1, IEC 62955, EN IEC 61851-21-2, BS 7671 Section 722, EN 18031-1, IET 01			

- 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.
- This function needs to be used with SigenStor.
- This function needs to be used with Sigen Power Sensor.
- For all standards refer to the certificates category on the Sigenenergy website.

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