Sigen EV DC Charging Module

- World's first V2X-integrated all-in-one home energy system
- 25kW bi-directional charging, rapid replenishment for EVs
- 150V-1000V charging voltage, universal EV compatibility
- Support 100% green charging, drive with sun power
- NEMA 4X system enclosure

SigenEV DC Charging Module 25 kW US

SigenStor EVDC [1]	25	Units
DC Output		
Max. charging power of charging port	25	kW
Max. discharging power of charging port	25	kW
Output voltage range	150 ~ 1000	V
Max. output current	80	A
Charging connector	CCS1 / NACS	
Protection		
Short-circuit protection	Supported	
Over / Under voltage protection	Supported	
Overload protection	Supported	
Over temperature protection	Supported	
Reverse polarity protection	Supported	
Welded contactor check	Supported	
General Data		
Dimensions (W / H / D)	27.56 x 10.63 x 10.24 / 700 x 270 x 260	in / mm
Weight [2]	≤ 89 / ≤ 40	lbs / kg
Storage temperature range	-40 ~ 158 / -40 ~ 70	°F / °C
Operating temperature range	-22 ~ 122 / -30 ~ 50	°F / °C
Relative humidity range	5% ~ 95%	
Max. operating altitude	13123 / 4000	ft / m
Cooling	Smart air cooling	
System enclosure type	NEMA 4X	
Integrated charging cable length [3, 4]	16.4 / 5 or 24.6 / 7.5	ft / m
Function		
Authentication	RFID card / APP / No authentication	
Application	Bi-directional charging (V2H / V2G)[5], Smart load management	
User interfaces	LED indicator, App, RFID	
Remote function	OTA, Remote diagnostics	

1. SigenStor EVDC needs to be used together with Sigen Energy Controller US.
2. Net weight is less than 40kg, which excludes the charging connector, exteriors and attachments used for wall-mounted installations.
3. Integrated charging cable length refers to the length of the cable that extends from the SigenStor EVDC, not the length of the exposed cable.
4. Without provision of Cable Management System(CMS) with our product, the cable length is less than the max. limit 5m in Canada or 7.5m in U.S according to their regulations and standards.
5. V2X functionality may be limited by EV's capabilities.

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