



# Sigen EV DC Charging Module

- V2H power supply, ample backup energy
- V2G power transfer, ready for energy trading
- EV-supported home energy system black start
- Max. 25 kW stable bi-directional charging
- 150 V – 1000 V charging, wide EV compatibility
- Charge EV with 100% solar power
- Track & schedule charging on mySigen APP
- IP66 protection, maintenance free

[www.sigenenergy.com](http://www.sigenenergy.com)

# Sigen EV DC Charging Module 12 / 25 kW

Preliminary

| SigenStor EVDC <sup>1</sup>                   | 12                                                                     | 25 | Units |
|-----------------------------------------------|------------------------------------------------------------------------|----|-------|
| DC Output                                     |                                                                        |    |       |
| Max. charging power                           | 12.5                                                                   | 25 | kW    |
| Max. discharging power (V2H, V2G)             | 12.5                                                                   | 25 | kW    |
| Output voltage range                          | 150 ~ 500 (CHAdeMO), 150 ~ 1000 (CCS1 / CCS2)                          |    | V     |
| Max. output current                           | 40                                                                     | 80 | A     |
| Charging interfaces                           | CHAdeMO / CCS1 / CCS2                                                  |    |       |
| 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)                        | 700 / 270 / 260                                                        |    | mm    |
| Weight                                        | 40                                                                     |    | kg    |
| Storage temperature range                     | -40 ~ 70                                                               |    | °C    |
| Operating temperature range                   | -30 ~ 60                                                               |    | °C    |
| Relative humidity range                       | 5% ~ 95%                                                               |    |       |
| Max. operating altitude                       | 4000                                                                   |    | m     |
| Cooling                                       | Smart air cooling                                                      |    |       |
| System ingress protection rating              | IP66                                                                   |    |       |
| Integrated charging cable length <sup>2</sup> | 5 / 7.5                                                                |    | m     |
| Function                                      |                                                                        |    |       |
| Authentication                                | RFID card / Auto. charging (no authentication)                         |    |       |
| Application                                   | Bi-directional charging (V2H, V2G), Smart load management, Reservation |    |       |
| User interfaces                               | LED indicator, App, RFID / NFC reader                                  |    |       |
| Remote function                               | OTA, Remote diagnosis                                                  |    |       |

1.

Sigen EV DC Charging Module needs to be used together with Sigen Energy Controller / Sigen Storage Controller.

2.

Integrated charging cable length refers to the length of the cable that extends from the Sigen EV DC Charging Module, not the length of the exposed cable.