

# Sigen LoadHub

- 5 double-pole controllable loads
- 0 ms load-side disruption when switching to backup mode
- Supports generator, heat pump or other controllable load
- Supports both whole-home & partial-home backup
- Uninterrupted power supply through PV +ESS/grid/generator



# Sigen LoadHub

| Sigen LoadHub                                       |                                                                                                                                         | Units    |
|-----------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Electrical Specification</b>                     |                                                                                                                                         |          |
| Grid connection type                                | Split phase                                                                                                                             |          |
| Nominal AC voltage                                  | 120 / 240                                                                                                                               | V        |
| Nominal AC frequency                                | 60                                                                                                                                      | Hz       |
| Max. short circuit current ( I <sub>sc</sub> )      | 10                                                                                                                                      | kA       |
| Current measurement accuracy                        | ≤ 1 %                                                                                                                                   |          |
| Voltage measurement accuracy                        | ≤ 1 %                                                                                                                                   |          |
| <b>Grid Connection</b>                              |                                                                                                                                         |          |
| Max. continuous current                             | 200                                                                                                                                     | A        |
| Max. overcurrent protection device rating           | 200                                                                                                                                     | A        |
| Disruption time of backup switchover <sup>1,2</sup> | 0                                                                                                                                       | ms       |
| <b>AC Output to Main Distribution Panel</b>         |                                                                                                                                         |          |
| Max. continuous current                             | 200                                                                                                                                     | A        |
| Max. overcurrent protection device rating           | 200                                                                                                                                     | A        |
| Overvoltage category                                | IV                                                                                                                                      |          |
| <b>SigenStor Connection</b>                         |                                                                                                                                         |          |
| Max. number of connection                           | 2                                                                                                                                       |          |
| Max. continuous current                             | 48                                                                                                                                      | A        |
| Max. overcurrent protection device rating           | 60                                                                                                                                      | A        |
| Max. AC nominal power per inverter connection       | 11.5                                                                                                                                    | kW       |
| <b>Smart Load Port Connection</b>                   |                                                                                                                                         |          |
| Max. number of connection                           | 5                                                                                                                                       |          |
| Max. continuous current                             | 64                                                                                                                                      | A        |
| Max. overcurrent protection device rating           | 80                                                                                                                                      | A        |
| <b>Generator Port Connection</b>                    |                                                                                                                                         |          |
| Max. continuous current                             | 64                                                                                                                                      | A        |
| Max. overcurrent protection device rating           | 80                                                                                                                                      | A        |
| Dry contact switch voltage rating                   | 30                                                                                                                                      | V        |
| Dry contact switch current rating                   | 1                                                                                                                                       | A        |
| Generator 2-wire start                              | Supported                                                                                                                               |          |
| <b>General Data</b>                                 |                                                                                                                                         |          |
| Dimensions (W / H / D)                              | 21 x 32 x 7 / 532 x 814 x 180                                                                                                           | in / mm  |
| Weight                                              | 60 / 27                                                                                                                                 | lbs / kg |
| Storage temperature range                           | -40 ~ 158 / -40 ~ 70                                                                                                                    | °F / °C  |
| Operating temperature range                         | -22 ~ 131 / -30 ~ 55                                                                                                                    | °F / °C  |
| Relative humidity range                             | 0% ~ 95%                                                                                                                                |          |
| Max. operating altitude                             | 13123 / 4000                                                                                                                            | ft / m   |
| Cooling                                             | Natural convection                                                                                                                      |          |
| Enclosure type                                      | Type 3R                                                                                                                                 |          |
| Communication                                       | Fast Ethernet (FE), RS485, dry contact                                                                                                  |          |
| Installation method                                 | Wall-mounted                                                                                                                            |          |
| <b>Standard Compliance</b>                          |                                                                                                                                         |          |
| Certifications                                      | FCC Part 15 Subpart B, ICES-003, ANSI C63.4a:2017, UL 67, UL 869A<br>UL 1741, UL 1741 PCS CRD, CSA C22.2 No.107.1-16, CA Proposition 65 |          |

1. This refers to the load-side disruption time, to achieve this function Sigen LoadHub needs to be used together with Sigen Energy Controller US and Sigen Battery US. Test conditions: In the open-circuit state of the power grid, the nominal power of the Sigen Energy Controller US is higher than the total power of the home loads.
2. The MID Switch complies with UL Category NRNT2 and fulfills with the standards of UL 508, UL 60947-1, UL 60947-4-1, UL 61810-1 as well as UL 61810-20.

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