

# Sigen Energy Gateway



- Multiple SigenStor connections supported for micro-grid system
- Seamless switchover, ensuring 0ms load-side disruption
- Built-in bypass circuit for enhanced system reliability
- Supports diesel generator connection & smart control
- Real-time current monitoring with 350ms anti-backflow protection

# Sigen Energy Gateway for SigenStor

| Sigen Gateway                                 | C60-2                             | C120-6            | C180-9             | C300-12 | C600                  | C1200 | Units |
|-----------------------------------------------|-----------------------------------|-------------------|--------------------|---------|-----------------------|-------|-------|
| Grid Connection                               |                                   |                   |                    |         |                       |       |       |
| Grid connection type                          | Three phase                       |                   |                    |         |                       |       |       |
| Nominal AC voltage                            | 380 ~ 400                         |                   |                    |         |                       |       | V     |
| Nominal AC current                            | 91.2                              | 182.4             | 274                | 456     | 912                   | 1,824 | A     |
| Nominal AC power                              | 60                                | 120               | 180                | 300     | 600                   | 1,200 | kW    |
| Nominal AC frequency                          | 50 / 60                           |                   |                    |         |                       |       | Hz    |
| Disruption time of backup switch <sup>1</sup> | 0                                 |                   |                    |         |                       |       | ms    |
| AC Output to Backup Port                      |                                   |                   |                    |         |                       |       |       |
| Nominal AC voltage                            | 380 ~ 400                         |                   |                    |         |                       |       | V     |
| Nominal AC current                            | 91.2                              | 182.4             | 274                | 456     | 912                   | 1,824 | A     |
| Nominal AC power                              | 60                                | 120               | 180                | 300     | 600                   | 1,200 | kW    |
| Nominal AC frequency                          | 50 / 60                           |                   |                    |         |                       |       | Hz    |
| Overvoltage category                          | III                               |                   |                    |         |                       |       |       |
| Inverter Connection                           |                                   |                   |                    |         |                       |       |       |
| Number of connection ports                    | 2                                 | 6                 | 9                  | 12      | 30                    | 50    |       |
| Nominal AC voltage                            | 380 ~ 400                         |                   |                    |         |                       |       | V     |
| Nominal AC current                            | 45.6                              |                   |                    |         |                       |       | A     |
| Smart Port Connection                         |                                   |                   |                    |         |                       |       |       |
| Generator output voltage                      | 380 ~ 400                         |                   |                    |         |                       |       | V     |
| Nominal AC current                            | 91.2                              | 182.4             | 274                | 456     | 912                   | 1,824 | A     |
| Nominal AC power                              | 60                                | 120               | 180                | 300     | 600                   | 1,200 | kW    |
| Generator 2-wire start                        | Supported                         |                   |                    |         |                       |       |       |
| General Data                                  |                                   |                   |                    |         |                       |       |       |
| Dimensions (W / H / D)                        | 510 / 795 / 173                   | 850 / 1,152 / 305 | 800 / 2,300 / 830  |         | 1,800 / 2,300 / 1,270 |       | mm    |
| Weight                                        | 35                                | 74                | 350                | 400     | 1,100                 | 1,300 | kg    |
| Storage temperature range                     | -40 ~ 70                          |                   |                    |         |                       |       | °C    |
| Operating temperature range <sup>2</sup>      | -30 ~ 55                          |                   |                    |         |                       |       | °C    |
| Relative humidity range                       | 0% ~ 100%                         |                   | 0% ~ 95%           |         | 0% ~ 95%              |       |       |
| Max. operation altitude <sup>2</sup>          | 4,000                             |                   |                    |         |                       |       | m     |
| Cooling                                       | Natural convection                |                   | Natural convection |         | Smart air cooling     |       |       |
| Ingress protection rating                     | IP54                              |                   | IP20               |         | IP20                  |       |       |
| Communication                                 | Fast Ethernet, RS485, dry contact |                   |                    |         |                       |       |       |
| Installation method                           | Wall-mounted                      |                   | Ground-mounted     |         | Ground-mounted        |       |       |

1. This refers to the load-side disruption time, to achieve this functionality Sigen Energy Gateway needs to be used together with Sigen Energy Controller and Sigen Battery. Test conditions: In the open-circuit state of the power grid, the nominal power of the Sigen Energy Controller is higher than the total power of the backup loads.
2. Please consult Sigenergy for detailed power derating information and customized requirements.

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