



Sigen Energy Gateway

- Seamless switch to backup mode, worry-free energy usage
- Ready for generator, heat pump or other controllable loads
- Support both whole home backup & partial home backup
- 350 ms reverse power flow protection of grid & generator
- Uninterrupted power supply through PV+ESS/grid/generator

| Sigen Gateway | SP AU | TP AU | Units |
|---|-------------------------------------|--|-------|
| Grid Connection | | | |
| Grid connection type | Single phase | Three phase | |
| Nominal AC input / output voltage | 220 / 230 / 240 | 380 / 400 | V |
| Nominal AC input / output current | 54.6 | 91.2 | A |
| Nominal AC input / output power | 12 | 60 | kW |
| Nominal AC frequency | 50 / 60 | | Hz |
| Disruption time of backup switch ¹ | 0 | | ms |
| AC Output to Backup Port | | | |
| Nominal AC output voltage | 220 / 230 / 240 | 380 / 400 | V |
| Nominal AC output current | 54.6 | 91.2 | A |
| Nominal AC output power | 12 | 60 | kW |
| Nominal AC frequency | 50 / 60 | | Hz |
| Overvoltage category | III | | |
| AC Output to Non-Backup Port | | | |
| Nominal AC output voltage | 220 / 230 / 240 | - | V |
| Nominal AC output current | 54.6 | - | A |
| Nominal AC output power | 12 | - | kW |
| Nominal AC frequency | 50 / 60 | - | Hz |
| Inverter Connection | | | |
| Nominal AC voltage | 220 / 230 / 240 | 380 / 400 | V |
| Nominal AC input current | 54.6 (INV1), 32 (INV2) ² | 45.6 (INV1), 45.6 (INV2), 30 (INV3) ³ | A |
| Compatible EV charger power | 7 | 11 / 22 | kW |
| Smart Port Connection | | | |
| Generator output voltage | 220 / 230 / 240 | 380 / 400 | V |
| Nominal input / output current | 54.6 | 91.2 | A |
| Nominal AC input / output power | 12 | 60 | kW |
| Generator 2-wire start | Supported | | |
| General Data | | | |
| Dimensions (W / H / D) | 495 / 370 / 165 | 510 / 750 / 179 | mm |
| Weight | 9.5 | 25 | kg |
| Storage temperature range | -40 ~ 70 | | °C |
| Operating temperature range | -30 ~ 55 | | °C |
| Relative humidity range | 0% ~ 95% | | |
| Max. operation altitude | 4000 | | m |
| Cooling | Natural convection | | |
| Ingress protection rating | IP54 | | |
| Communication | Fast Ethernet , RS485, dry contact | | |
| Installation method | Wall 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. For Sigen Energy single phase inverter products, 8.0-12.0 kW inverters should be connected to the INV1 port, 3.0-6.0 kW inverters should be connected to the INV2 port. The sum of the parallel power of the Sigen Energy inverters cannot exceed 12 kW.
3. For Sigen Energy three phase inverter products, the INV1 and INV2 ports support 17.0-30.0 kW inverter, the INV3 port supports 5.0-15.0 kW inverter. The sum of the parallel power of the Sigen Energy inverters cannot exceed 60 kW.