

Sigen Energy Gateway HomePro SP-F

- 100A high-current design, effortless whole-home backup
- 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
- PV / ESS / grid / generator / V2X, multi-source seamless switching



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Preliminary

| Sigen Gateway | HomePro SP-F | Units |
|---|--|-------|
| Grid Connection | | |
| Grid connection type | Single Phase | |
| Nominal AC voltage | 220 / 230 / 240 | V |
| Nominal AC current | 100 | A |
| Nominal AC power | 22 | kW |
| Nominal AC frequency | 50 / 60 | Hz |
| Disruption time of backup switch ¹ | 0 | ms |
| AC Output to Backup Port | | |
| Nominal AC voltage | 220 / 230 / 240 | V |
| Nominal AC current | 100 | A |
| Nominal AC power | 22 | kW |
| Nominal AC frequency | 50 / 60 | Hz |
| Overvoltage category | III | |
| Inverter Connection | | |
| Nominal AC voltage | 220 / 230 / 240 | V |
| Nominal AC current | 55 | A |
| Nominal AC power | 12 | kW |
| Smart Port Connection | | |
| Generator output voltage | 220 / 230 / 240 | V |
| Nominal current | 55 | A |
| Nominal AC power | 12 | kW |
| Generator 2-wire start | Supported | |
| General Data | | |
| Dimensions (W / H / D) | 450 / 695 / 177 (without decorative cover) | mm |
| Weight | 25 (without decorative cover) | kg |
| Storage temperature range | -40 ~ 70 | °C |
| Operating temperature range | -30 ~ 55 | °C |
| Relative humidity range | 0% ~ 100% | |
| Max. operation altitude | 4000 | m |
| Cooling | Natural convection | |
| Ingress protection rating | IP55 | |
| 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. This product is only available in specific regions. Please contact Sigenergy or local distributors for details.