Sigen Energy Gateway

- 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
- Whole-house backup & smart prioritized backup supported

Home series

HomePro series

Sigen Energy Gateway for Australia

Sigen Gateway	Home SP AU	HomePro SP-F AU	Home TP AU	Units
Grid Connection				
Grid connection type	Single phase	Single phase	Three phase	
Nominal AC input / output voltage	220 / 230 / 240	220 / 230 / 240	380 / 400	V
Nominal AC input / output current	54.6	100	45.6	A
Nominal current of circuit breaker [1]	63	125	63	A
Nominal AC input / output power	12	22	30	kW
Nominal AC frequency		50 / 60		Hz
Disruption time of backup switch [2]		0		ms
AC Output to Backup Port				
Nominal AC output voltage	220 / 230 / 240	220 / 230 / 240	380 / 400	V
Nominal AC output current	54.6	100	45.6	A
Nominal current of circuit breaker [1]	63	125	63	A
Nominal AC output power	12	22	30	kW
Nominal AC frequency		50 / 60		Hz
Overvoltage category		III		
AC Output to Non-Backup Port				
Nominal AC output voltage	220 / 230 / 240	–	380 / 400	V
Nominal AC output current	54.6	–	45.6	A
Nominal AC output power	12	–	30	kW
Nominal AC frequency	50 / 60	–	50 / 60	Hz
Inverter Connection				
Nominal AC voltage	220 / 230 / 240	220 / 230 / 240	380 / 400	V
Nominal AC input current	54.6 (INV1), 32 (INV2) [3]	55 (INV1), 55 (INV2), 32 (INV3) [4]	45.6 (INV1), 32 (INV2) [5]	A
Nominal current of circuit breaker [1]	63 (INV1), 40 (INV2)	63 (INV1), 63 (INV2), 40 (INV3)	63 (INV1), 40 (INV2)	A
Smart Port Connection				
Generator output voltage	220 / 230 / 240	220 / 230 / 240	380 / 400	V
Nominal input / output current	54.6	100	45.6	A
Nominal current of circuit breaker [1]	63	125	63	A
Nominal AC input / output power	12	22	30	kW
Generator 2-wire start		Supported		
General Data				
Dimensions (W / H / D)	450 / 570 / 197 (without decorative cover)	450 / 695 / 177 (without decorative cover)	450 / 570 / 197 (without decorative cover)	mm
Weight	22.5 (without decorative cover)	23.5 (without decorative cover)	25.5 (without decorative cover)	kg
Storage temperature range		–40 ~ 70		ºC
Operating temperature range		–30 ~ 55		ºC
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 rear wiring supported	Wall mounted	Wall mounted rear wiring supported	

1. The circuit breaker can be adjusted according to actual requirements and cable specifications.
2. 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.
3. For Sigenergy 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 Sigenergy inverters cannot exceed 12 kW.
4. For Sigenergy single phase inverter products, 8.0-12.0 kW inverters should be connected to the INV1 / INV2 port, 3.0-6.0 kW inverters should be connected to the INV3 port. The sum of the parallel power of the Sigenergy inverters cannot exceed 22 kW.
5. For Sigenergy three phase inverter products, 15.0-30.0 kW inverters should be connected to the INV1 port, 5.0-15.0 kW inverters should be connected to the INV2 port. The sum of the parallel power of the Sigenergy inverters cannot exceed 30 kW.

Version: 2025R07