Sigen Energy Gateway HomePro

- 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 100ms zero export
- PV / ESS / grid / generator / V2X, multi-source seamless switching
- Whole-house backup & smart prioritized backup supported



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Sigen Gateway	HomePro SP	HomePro SP-F	HomePro TP	Units
Grid Connection				
Grid connection type	Single Phase		Three phase	
Nominal AC voltage	220 / 230 / 240		380 / 400	V
Nominal AC current	54.6	100	45.6	A
Nominal AC power	12	22	30	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		380 / 400	V
Nominal AC current	54.6	100	45.6	A
Nominal AC power	12	22	30	kW
Nominal AC frequency	50 / 60			Hz
Overvoltage category	III			
Inverter Connection				
Nominal AC voltage	220 / 230 / 240		380 / 400	V
Nominal AC current	54.6 / 32 [2]	55	45.6	A
Nominal AC power	12 / 6 [2]	12	30	kW
Smart Port Connection				
Generator output voltage	220 / 230 / 240		380 / 400	V
Nominal current	54.6	55	45.6	A
Nominal AC power	12	12	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 / 695 / 163 (without decorative cover)	mm
Weight	25 (without decorative cover)	25 (without decorative cover)	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 (Support rear-wiring)	Wall mounted	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 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 total power of the inverter cannot exceed 12 kW.

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