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 350ms anti-backflow protection
- 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 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	45.6	A
Nominal AC power	12	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	45.6	A
Nominal AC power	12	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]	45.6	A
Nominal AC power	12 / 6 [2]	30	kW
Smart Port Connection			
Generator output voltage	220 / 230 / 240	380 / 400	
Nominal current	54.6	45.6	A
Nominal AC power	12	30	kW
Generator 2-wire start	Supported		
General Data			
Dimensions (W / H / D)	450 / 610 / 197 (without decorative cover)	450 / 695 / 163	mm
Weight	25 (without decorative cover)	25	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	IP54		
Communication	Fast Ethernet, RS485, dry contact		
Installation method	Wall mounted (Support rear-wiring)	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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