

Sigen Energy Gateway



- Multiple Sigen C&I inverters connections supported for micro-grid system
- 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

Sigen Gateway	C600-B	C1200-B	C1600-B	C2000-B	C2400-B	Units
Grid Connection						
Grid connection type	Three phase					
Nominal AC voltage	380 ~ 400					V
Nominal AC current	912	1,824	2,432	3,039	3,647	A
Nominal AC power	600	1,200	1,600	2,000	2,400	kW
Nominal AC frequency	50 / 60					Hz
Disruption time of backup switch ¹	0					ms
AC Output to Backup Port						
Nominal AC voltage	380 ~ 400					V
Nominal AC current	912	1,824	2,432	3,039	3,647	A
Nominal AC power	600	1,200	1,600	2,000	2,400	kW
Nominal AC frequency	50 / 60					Hz
Overvoltage category	III					
Inverter Connection						
Number of connection ports	10	20	30	30	30	
Nominal AC voltage	380 ~ 400					V
Max. AC input current	190	190	190	190	190	A
Nominal AC power	125	125	125	125	125	kW
Smart Port Connection						
Generator output voltage	380 ~ 400					V
Nominal AC current	912	1,824	2,432	3,039	3,647	A
Nominal AC power	600	1,200	1,600	2,000	2,400	kW
Generator 2-wire start	Supported					
General Data						
Dimensions (W / H / D)	1,800 / 2,300 / 1,270		4,000 / 2,200 / 1,000			mm
Weight	1,100	1,300	2,200	2,500	2,800	kg
Storage temperature range	-40 ~ 70					°C
Operating temperature range ²	-30 ~ 55					°C
Relative humidity range	0% ~ 95%					
Max. operation altitude ²	4,000					m
Cooling	Smart air cooling					
Ingress protection rating	IP20					
Communication	Fast Ethernet, RS485, dry contact					
Installation method	Ground-mounted					

1. This refers to the load-side disruption time, to achieve this functionality Sigen Energy Gateway needs to be used together with Sigen Hybrid Inverter and Sigen Battery. Test conditions: In the open-circuit state of the power grid, the nominal power of the Sigen Hybrid Inverter is higher than the total power of the backup loads.
2. Please consult Sigenenergy for detailed power derating information and customized requirements.

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