

Sigen Energy Gateway



- Multiple SigenStor connection supported for micro-grid system
- Seamless backup, worry-free energy usage for your business
- Generator supported, more abundant backup power
- 350 ms reserve power flow protection of grid & generator
- Uninterrupted power supply through PV+ESS/grid/generator

Sigen Energy Gateway Three Phase

Preliminary

Sigen Gateway	HomeMax TP	C120-6	C300-12	Units
Grid Connection				
Grid connection type	Three phase			
Nominal AC voltage	380 / 400			V
Nominal AC current	76	182.4	456	A
Nominal AC power	50 / 52.6	120 / 126.3	300 / 315.9	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	76	182.4	456	A
Nominal AC power	50 / 52.6	120 / 126.3	300 / 315.9	kW
Nominal AC frequency	50 / 60			Hz
Overvoltage category	III			
Inverter Connection				
Number of connection ports	2	6	12	
Nominal AC voltage	380 / 400			V
Max. AC input current	38	45.6	45.6	A
Generator Connection				
Generator output voltage	380 / 400			V
Nominal AC current	76	182.4	456	A
Nominal AC power	50 / 52.7	120 / 126.4	300 / 316	kW
Generator 2-wire start	Supported			
General Data				
Dimensions (W / H / D)	510 / 750 / 179	930 / 1100 / 218	800 / 2300 / 800	mm
Weight	23	74	400	kg
Storage temperature range	-40 ~ 70			°C
Operating temperature range	-30 ~ 55 (Power derating when >35°C in on-grid mode)			°C
Relative humidity range	0% ~ 95%			
Max. operation altitude	4000 (Power derating when >2000m)			m
Cooling	Natural convection			
Ingress protection rating	IP54	IP54	IP20	
Communication	Fast Ethernet , RS485, dry contact			
Installation method	Wall-mounted	Wall-mounted	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 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.