Sigen Energy Gateway

- 2 breaker positions reserved for SigenStor or other loads
- Seamless switch to backup mode, worry-free energy usage
- Ready for generator, heat pump or other controllable loads
- Support both whole home backup & partial home backup
- 350 ms reverse power flow protection of grid & generator
- Uninterrupted power supply through PV+ESS/grid/generator

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Sigen Energy Gateway HomeMax Three Phase

Preliminary

Sigen Gateway	HomeMax TP	Units
Grid Connection		
Grid connection type	Three phase	
Nominal AC input / output voltage	380 / 400	V
Nominal AC input / output current	76	A
Nominal AC input / output power	50 / 52.6	kW
Nominal AC frequency	50 / 60	Hz
Grid disconnection switchover time [1]	0	ms
AC Output to Backup Port		
Nominal AC output voltage	380 / 400	V
Nominal AC output current	76	A
Nominal AC output power	50 / 52.6	kW
Nominal AC frequency	50 / 60	Hz
Overvoltage category	III	
Inverter Connection / EV Charger Port (optional)		
Max. number of connection	2	
Nominal AC voltage	380 / 400	V
Nominal AC input current	38	A
Max. AC nominal power per inverter connection	25 / 26.3	kW
Compatible EV charger power	11 /22	kW
EV charging mode	Solar boost charging, time-based charging, load balancing	
Smart Port Connection		
Generator output voltage	380 / 400	V
Nominal input / output current	76	A
Nominal AC input / output power	50 / 52.6	kW
Dry contact switch voltage rating	250 / 30	Vac/Vdc
Dry contact switch current rating	1	A
Generator 2-wire start	Supported	
General Data		
Dimensions (W / H / D)	510 / 750 / 179	mm
Weight	23	kg
Storage temperature range	-40 ~ 70	°C
Operating temperature range	-30 ~ 55	°C
Relative humidity range	0% ~ 95%	
Max. operation altitude	4000	m
Cooling	Natural convection	
Ingress protection rating	IP54	
Communication	Fast Ethernet , RS485, dry contact	
Installation method	Wall mounted	

1. Need 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 home loads.