



Sigen Energy Gateway

- Multiple 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



Sigen Energy Gateway HomeMax Single / Three Phase Preliminary

Sigen Gateway	HomeMax SP	HomeMax TP	Units
Grid Connection			
Grid connection type	Single phase	Three phase	
Nominal AC input / output voltage	220 / 230 / 240	380 / 400	V
Nominal AC input / output current	100	76	A
Nominal AC input / output power	22 / 23 / 24	50 / 52.6	kW
Nominal AC frequency		50 / 60	Hz
Disruption time of backup switch ¹		0	ms
AC Output to Backup Port			
Nominal AC output voltage	220 / 230 / 240	380 / 400	V
Nominal AC output current	100	76	A
Nominal AC output power	22 / 23 / 24	50 / 52.6	kW
Nominal AC frequency		50 / 60	Hz
Overvoltage category		III	
Inverter Connection / EV Charger Port (optional)			
Max. number of connection	3	2	
Nominal AC voltage	220 / 230 / 240	380 / 400	V
Nominal AC input current	32	38	A
Compatible EV charger power	7	11 / 22	kW
EV charging mode	Solar boost charging, time-based charging, load balancing		
Smart Port Connection			
Generator output voltage	220 / 230 / 240	380 / 400	
Nominal input / output current	63	76	A
Nominal AC input / output power	13.8 / 14.5 / 15.1	50 / 52.6	kW
Generator 2-wire start	Supported		
General Data			
Dimensions (W / H / D)	455 / 660 / 179	510 / 750 / 179	mm
Weight	19	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 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 home loads.



Sigen Energy Gateway

- Seamless switch to backup mode, worry-free energy usage
- 350 ms reverse power flow protection of grid
- Uninterrupted power supply through PV+ESS/grid

Sigen Energy Gateway Home Single / Three Phase

Preliminary

Sigen Gateway	Home SP	Home TP	Units
Grid Connection			
Grid connection type	Single phase	Three phase	
Nominal AC input / output voltage	220 / 230 / 240	380 / 400	V
Nominal AC input / output current	55	38	A
Nominal AC input / output power	12 / 12.6 / 13.2	25 / 26.3	kW
Nominal AC frequency		50 / 60	Hz
Disruption time of backup switch ¹		0	ms
AC Output to Backup Port			
Nominal AC output voltage	220 / 230 / 240	380 / 400	V
Nominal AC output current	55	38	A
Nominal AC output power	12 / 12.6 / 13.2	25 / 26.3	kW
Nominal AC frequency		50 / 60	Hz
Overvoltage category		III	
Inverter Connection			
Max. number of connection		1	
Nominal AC voltage	220 / 230 / 240	380 / 400	V
Nominal AC input current	55	38	A
General Data			
Dimensions (W / H / D)		450 / 300 / 160	mm
Weight		< 15	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	

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