



# 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
<b>Grid Connection</b>			
Grid connection type	Single phase	Three phase	
Max. AC input / output power	22	50	kW
Max. AC input current	100	76	A
Nominal AC output voltage	220 / 230 / 240	380 / 400	V
Nominal AC frequency		50 / 60	Hz
Grid disconnection switchover time <sup>1</sup>		0	ms
<b>AC Output to Backup Port</b>			
Max. AC output power	22	50	kW
Max. AC output current	100	76	A
Nominal AC frequency		50 / 60	Hz
Nominal AC output voltage	220 / 230 / 240	380 / 400	V
Overvoltage category		III	
<b>Inverter Connection / EV Charger Port (optional)</b>			
Max. number of connection	3	2	
Nominal AC voltage	220 / 230 / 240	380 / 400	V
Max. AC circuit breaker	32	42	A
Max. AC nominal power per inverter connection	6	25	kW
Compatible EV charger power	7	11 / 22	kW
EV charging mode	Solar boost charging, time-based charging, load balancing		
<b>Smart Port Connection</b>			
Max. AC input / output power	14.5	50	kW
Max. continuous input / output current	63	76	A
Generator output voltage	220 / 230 / 240	380 / 400	V
Dry contact switch voltage rating		250 / 30	Vac/Vdc
Dry contact switch current rating		1	A
Generator 2-wire start		Supported	
<b>General Data</b>			
Dimensions (W / H / D)		455 / 660 / 179	mm
Weight	< 20	< 30	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 / Sigen Storage Controller and Sigen Battery. Test conditions: In the open-circuit state of the power grid, the nominal power of the Sigen Energy Controller / Sigen Storage Controller is higher than the total power of the home loads.