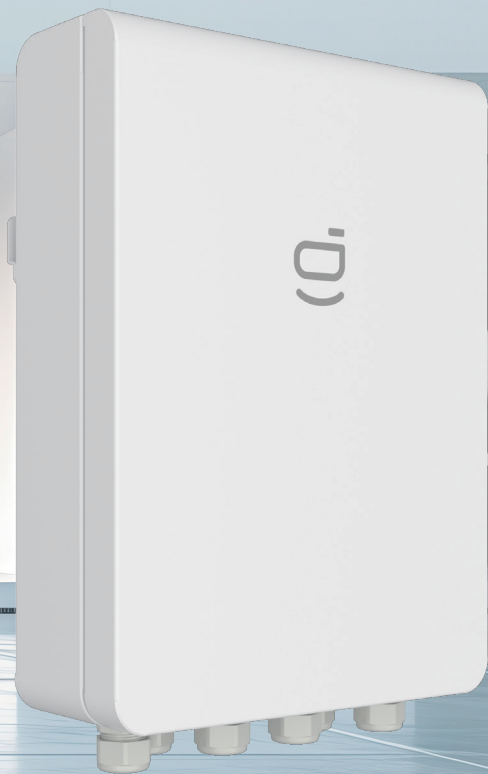


Sigen Energy Gateway Home

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



Sigen Energy Gateway Home¹

Sigen Gateway	Home SP 12K	Home TP 30K	Units
Grid Connection			
Grid connection type	Single phase	Three phase	
Nominal AC voltage	220 / 230 / 240	380 / 400	V
Nominal AC current	52.2	45.6	A
Nominal AC power	12	30	kW
Nominal AC frequency	50 / 60		Hz
Disruption time of backup switch ²	0		ms
AC Output to Backup Port			
Nominal AC voltage	220 / 230 / 240	380 / 400	V
Nominal AC current	52.2	45.6	A
Nominal AC power	12	30	kW
Nominal AC frequency	50 / 60		Hz
Overvoltage category	III		
AC Output to Non-Backup Port			
Nominal AC voltage	220 / 230 / 240	380 / 400	V
Nominal AC current	52.2	45.6	A
Nominal AC power	12	30	kW
Nominal AC frequency	50 / 60		Hz
Inverter Connection			
Nominal AC voltage	220 / 230 / 240	380 / 400	V
Nominal AC current	52.2 (INV1), 32 (INV2) ³	45.6	A
Nominal AC power	12 / 6 ³	30	kW
General Data			
Dimensions (W / H / D)	400 / 590 / 161		mm
Weight	19	19	kg
Storage temperature range	-40 ~ 70		°C
Operating temperature range	-30 ~ 55		°C
Relative humidity range	0% ~ 100%		
Max. operation altitude	4000		m
Cooling	Natural convection		
Ingress protection rating	IP54		
Communication	Fast Ethernet, dry contact		
Installation method	Wall mounted		

- ¹ Sigen Energy Gateway Home version is only available in specific regions. Please contact Sigenenergy or local distributors for details.
- ² 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.
- ³ For Sigenenergy single phase inverter products, 8.0-12.0 kW inverters should be connected to the INV1 port, 3.0-6.0 kW inverters should be connected to the INV2 port. The sum of the parallel power of the Sigenenergy inverters cannot exceed 12 kW.