



# Sigen Energy Gateway

- 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 for AU&NZ

Sigen Gateway	SP AU	TP AU	Units
<b>Grid Connection</b>			
Grid connection type	Single phase	Three phase	
Nominal AC input / output voltage	220 / 230 / 240	380 / 400	V
Nominal AC input / output current	54.6	91.2	A
Nominal AC input / output power	12	60	kW
Nominal AC frequency	50 / 60		Hz
Disruption time of backup switch <sup>1</sup>	0		ms
<b>AC Output to Backup Port</b>			
Nominal AC output voltage	220 / 230 / 240	380 / 400	V
Nominal AC output current	54.6	91.2	A
Nominal AC output power	12	60	kW
Nominal AC frequency	50 / 60		Hz
Overvoltage category	III		
<b>AC Output to Non-Backup Port</b>			
Nominal AC output voltage	220 / 230 / 240	-	V
Nominal AC output current	54.6	-	A
Nominal AC output power	12	-	kW
Nominal AC frequency	50 / 60	-	Hz
<b>Inverter Connection</b>			
Nominal AC voltage	220 / 230 / 240	380 / 400	V
Nominal AC input current	54.6 (INV1), 32 (INV2) <sup>2</sup>	45.6 (INV1), 45.6 (INV2), 30 (INV3) <sup>3</sup>	A
Compatible EV charger power	7	11 / 22	kW
<b>Smart Port Connection</b>			
Generator output voltage	220 / 230 / 240	380 / 400	V
Nominal input / output current	54.6	91.2	A
Nominal AC input / output power	12	60	kW
Generator 2-wire start	Supported		
<b>General Data</b>			
Dimensions (W / H / D)	495 / 370 / 165	510 / 750 / 179	mm
Weight	9.5	25	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 backup loads.
2. For Sigen Energy 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 Sigen Energy inverters cannot exceed 12 kW.
3. For Sigen Energy three phase inverter products, the INV1 and INV2 ports support 17.0-30.0 kW inverter, the INV3 port supports 5.0-15.0 kW inverter. The sum of the parallel power of the Sigen Energy inverters cannot exceed 60 kW.