



# Sigen Energy Gateway for Australia

- 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 Gateway	SP AU	TP AU	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	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
AC Output to Backup Port			
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		
AC Output to Non-Backup Port			
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
Inverter Connection			
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
Smart Port Connection			
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		
General Data			
Dimensions (W / H / D)	495 / 370 / 165	510 / 750 / 179	mm
Weight	12	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 backup loads.
2. 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.
3. For Sigenenergy three phase inverter products, the INV1 and INV2 ports support 17.0-30.0 kW inverter, the INV3 port supports 6.0-15.0 kW inverter. The sum of the parallel power of the Sigenenergy inverters cannot exceed 60 kW.