

## Sigen Energy Gateway

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- 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
	JF AU	IF AU	
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	3	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 P	ort		
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
		45.6 (INV1), 45.6 (INV2), 30 (INV3) <sup>3</sup>	
Nominal AC input current	54.6 (INV1), 32 (INV2) <sup>2</sup>	43.0 (1117), 43.0 (1112), 30 (1113)	A
	54.6 (INVI), 32 (INV2) <sup>2</sup> 7	11 / 22	A
Nominal AC input current Compatible EV charger power Smart Port Connection			
Compatible EV charger power Smart Port Connection			
Compatible EV charger power Smart Port Connection Generator output voltage	7	11/22	kW
Compatible EV charger power Smart Port Connection Generator output voltage Nominal input / output current	7 220 / 230 / 240	11 / 22 380 / 400	kW V
Compatible EV charger power	7 220 / 230 / 240 54.6 12	11 / 22 380 / 400 91.2	kW V A
Compatible EV charger power Smart Port Connection Generator output voltage Nominal input / output current Nominal AC input / output power Generator 2-wire start	7 220 / 230 / 240 54.6 12	11 / 22 380 / 400 91.2 60	kW V A
Compatible EV charger power Smart Port Connection Generator output voltage Nominal input / output current Nominal AC input / output power Generator 2-wire start General Data	7 220 / 230 / 240 54.6 12	11 / 22 380 / 400 91.2 60	kW V A
Compatible EV charger power Smart Port Connection Generator output voltage Nominal input / output current Nominal AC input / output power Generator 2-wire start General Data Dimensions (W / H / D)	7 220 / 230 / 240 54.6 12 Su	11 / 22 380 / 400 91.2 60 pported	kW V A kW
Compatible EV charger power Smart Port Connection Generator output voltage Nominal input / output current Nominal AC input / output power Generator 2-wire start General Data Dimensions (W / H / D) Neight	7 220 / 230 / 240 54.6 12 Su 495 / 370 / 165 9.5	11 / 22 380 / 400 91.2 60 pported 510 / 750 / 179	kW V A kW
Compatible EV charger power Smart Port Connection Generator output voltage Nominal input / output current Nominal AC input / output power Generator 2-wire start General Data Dimensions (W / H / D) Neight Storage temperature range	7 220 / 230 / 240 54.6 12 Su 495 / 370 / 165 9.5	11 / 22 380 / 400 91.2 60 pported 510 / 750 / 179 25	kW V A kW mm kg
Compatible EV charger power Smart Port Connection Generator output voltage Nominal input / output current Nominal AC input / output power Generator 2-wire start General Data Dimensions (W / H / D) Weight Storage temperature range Operating temperature range	7 220 / 230 / 240 54.6 12 Su 495 / 370 / 165 9.5 	11 / 22 380 / 400 91.2 60 pported 510 / 750 / 179 25 40 ~ 70	kW V A kW kg °C
Compatible EV charger power Smart Port Connection Generator output voltage Nominal input / output current Nominal AC input / output power Generator 2-wire start General Data Dimensions (W / H / D) Weight Storage temperature range Dperating temperature range Relative humidity range	7 220 / 230 / 240 54.6 12 Su 495 / 370 / 165 9.5 	11 / 22 380 / 400 91.2 60 pported 510 / 750 / 179 25 40 ~ 70 30 ~ 55	kW V A kW kg °C
Compatible EV charger power Smart Port Connection Generator output voltage Nominal input / output current Nominal AC input / output power Generator 2-wire start General Data Dimensions (W / H / D) Weight Storage temperature range Operating temperature range Relative humidity range Max. operation altitude	7 220 / 230 / 240 54.6 12 Su 495 / 370 / 165 9.5 	11 / 22 380 / 400 91.2 60 pported 510 / 750 / 179 25 40 ~ 70 30 ~ 55 % ~ 95%	kW V A kW mm kg °C °C
Compatible EV charger power Smart Port Connection Generator output voltage Nominal input / output current Nominal AC input / output power Generator 2-wire start General Data Dimensions (W / H / D) Weight Storage temperature range Operating temperature range Relative humidity range Max. operation altitude Cooling	7 220 / 230 / 240 54.6 12 Su 495 / 370 / 165 9.5 	11 / 22 380 / 400 91.2 60 pported 510 / 750 / 179 25 40 ~ 70 30 ~ 55 % ~ 95% 4000	kW V A kW mm kg °C °C
Compatible EV charger power Smart Port Connection Generator output voltage Nominal input / output current Nominal AC input / output power	7 220 / 230 / 240 54.6 12 Su 495 / 370 / 165 9.5 	11 / 22 380 / 400 91.2 60 pported 510 / 750 / 179 25 40 ~ 70 30 ~ 55 % ~ 95% 4000 I convection	kW V A kW mm kg °C °C

 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 Sigenergy 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 Sigenergy inverters cannot exceed 12 kW.

3. For Sigenergy 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 Sigenergy inverters cannot exceed 60 kW.

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