

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

Preliminary

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	Ę	50 / 60	Hz
Disruption time of backup switch ¹		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 Pe	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
Nominal AC input current	54.6 (INV1), 32 (INV2) ²	45.6 (INV1), 45.6 (INV2), 30 (INV3) ³	А
Compatible EV charger power	7	11 / 22	kW
	7	11 / 22	kW
Smart Port Connection	7 220 / 230 / 240	11 / 22 380 / 400	kW V
Smart Port Connection Generator output voltage			
Smart Port Connection Generator output voltage Nominal input / output current	220 / 230 / 240	380 / 400	V
Smart Port Connection Generator output voltage Nominal input / output current Nominal AC input / output power	220 / 230 / 240 54.6 12	380 / 400 91.2	V
Smart Port Connection Generator output voltage Nominal input / output current Nominal AC input / output power Generator 2-wire start	220 / 230 / 240 54.6 12	380 / 400 91.2 60	V
Smart Port Connection Generator output voltage Nominal input / output current Nominal AC input / output power Generator 2-wire start General Data	220 / 230 / 240 54.6 12	380 / 400 91.2 60	V
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)	220 / 230 / 240 54.6 12 Su	380 / 400 91.2 60 pported	V A kW
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	220 / 230 / 240 54.6 12 Su 495 / 370 / 165 9.5	380 / 400 91.2 60 pported 510 / 750 / 179	V A kW
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	220 / 230 / 240 54.6 12 Su 495 / 370 / 165 9.5	380 / 400 91.2 60 pported 510 / 750 / 179 25	V A kW mm kg
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	220 / 230 / 240 54.6 12 Su 495 / 370 / 165 9.5 -	380 / 400 91.2 60 pported 510 / 750 / 179 25 40 ~ 70	V A kW mm kg °C
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	220 / 230 / 240 54.6 12 Su 495 / 370 / 165 9.5 -	380 / 400 91.2 60 pported 510 / 750 / 179 25 40 ~ 70 30 ~ 55	V A kW mm kg °C
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	220 / 230 / 240 54.6 12 Su 495 / 370 / 165 9.5 - - 0	380 / 400 91.2 60 pported 510 / 750 / 179 25 40 ~ 70 30 ~ 55 % ~ 95%	V A kW mm kg °C °C
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 Max. operation altitude Cooling	220 / 230 / 240 54.6 12 Su 495 / 370 / 165 9.5 - - 0	380 / 400 91.2 60 pported 510 / 750 / 179 25 40 ~ 70 30 ~ 55 % ~ 95% 4000	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 Ingress protection rating Communication	220 / 230 / 240 54.6 12 Su 495 / 370 / 165 9.5 - - 0 Natura	380 / 400 91.2 60 pported 510 / 750 / 179 25 40 ~ 70 30 ~ 55 % ~ 95% 4000 il convection	V A kW mm kg °C °C

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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.