Sigen Energy Gateway Single Phase for Australia

Preliminary

Sigen Gateway	SP AU	Units
Grid Connection		
Grid connection type	Single phase	
Nominal AC input / output voltage	220 / 230 / 240	V
Nominal AC input / output current	52.2	A
Nominal AC input / output power	12	kW
Nominal AC frequency	50 / 60	Hz
Disruption time of backup switch [1]	0	ms
AC Output to Backup Port		
Nominal AC output voltage	220 / 230 / 240	V
Nominal AC output current	52.2	A
Nominal AC output power	12	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	52.2	A
Nominal AC output power	12	kW
Nominal AC frequency	50 / 60	
Inverter Connection		
Max. number of connection	1	
Nominal AC voltage	220 / 230 / 240	V
Nominal AC input current	52.2 (INV1), 32 (INV2) [2]	A
Max. AC nominal power per inverter connection	12 (INV1), 7 (INV2) [2]	kW
Smart Port Connection		
Generator output voltage	220 / 230 / 240	V
Nominal input / output current	52.2	A
Nominal AC input / output power	12	kW
Generator 2-wire start	Supported	
General Data		
Dimensions (W / H / D)	536 / 380 / 165	mm
Weight	8.5	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 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. This gateway can't connect two inverters at the same time.