

Sigen Energy Gateway HomeMax SP LA

- 5 double - pole controllable loads
- 0 ms load - side disruption when switching to backup mode
- Supports generator, heat pump or other controllable load
- Supports both whole - home & partial - home backup
- Uninterrupted power supply through PV/ESS/grid/generator



Sigen Gateway HomeMax SP LA Split Phase

Sigen Gateway	HomeMax SP LA	Units
Electrical Specification		
Grid connection type	Split Phase	
Nominal AC voltage	120 / 240	V
Nominal AC frequency	60	Hz
Maximum input shrot circuit current	10	kA
Current measruement accuracy	≤ 1%	
Voltage measurement accuracy	≤ 1%	
Grid Connection		
Max. continuous current rating	160	A
Max. overcurrent protection device rating	200	A
Disruption time of backup switchover ¹	0	ms
AC Output to Main Disruption Panel		
Max. continuous current rating	160	A
Max. overcurrent protection device rating	200	A
Overcurrent category	III	
Inverter Connection		
Max number of connection	2	
Max input / output continuous current rating	47.5	A
Max. overcurrent protection device rating	60	A
Max. AC nominal power per inverter connection	11.4	kW
Smart Load Port Connection		
Max number of connection	5	
Max. continuous current rating	64	A
Max. overcurrent protection device rating	80	A
Generator Port Connection		
Max. continuous current rating	64	A
Max. overcurrent protection device rating	80	A
Dry contact switch voltage rating	30	V _{d.c.}
Dry contact switch current rating	1	A
Generator 2-wire start	Supported	
General Data		
Dimensions (W / H / D)	520 x 750 x 140 / 20.5 x 29.5 x 5.5	mm / in
Weight	< 30 / < 66.2	kg / lbs
Storage temperature range	-40 ~ 70 / -40 ~ 158	°C / °F
Operating temperature range	-30 ~ 55 / -22 ~ 131	°C / °F
Relative humidity range	0 ~ 95%	
Max. operating altitude	4000 / 13123	m / ft
Cooling	Natural convection	
Ingress protection rating	IP54	
Communication	FE, 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.