Sigen LoadHub

Professional backup solution

- 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 LoadHub

Sigen LoadHub		Units
Electrical Specification		
Grid connection type	Split phase	
Nominal AC voltage	120 / 240	V
Nominal AC frequency	60	Hz
Max. short circuit current (Isc)	10	kA
Current measurement accuracy	≤ 1 %	
Voltage measurement accuracy	≤ 1 %	
Grid Connection		
Max. continuous current	200	A
Max. overcurrent protection device rating	200	A
Disruption time of backup switchover [1, 2]	0	ms
AC Output to Main Distribution Panel		
Max. continuous current	200	A
Max. overcurrent protection device rating	200	A
Overvoltage category	IV	
SigenStor Connection		
Max. number of connection	2	
Max. continuous current	48	A
Max. overcurrent protection device rating	60	A
Max. AC nominal power per inverter connection	11.5	kW
Smart Load Port Connection		
Max. number of connection	5	
Max. continuous current	64	A
Max. overcurrent protection device rating	80	A
Generator Port Connection		
Max. continuous current	64	A
Max. overcurrent protection device rating	80	A
Dry contact switch voltage rating	30	V
Dry contact switch current rating	1	A
Generator 2-wire start	Supported	
General Data		
Dimensions (W / H / D)	21 x 32 x 7 / 532 x 814 x 180	in / mm
Weight	60 / 27	lbs / kg
Storage temperature range	-40 ~ 158 / -40 ~ 70	°F / °C
Operating temperature range	-22 ~ 131 / -30 ~ 55	°F / °C
Relative humidity range	0% ~ 95%	
Max. operating altitude	13123 / 4000	ft / m
Cooling	Natural convection	
Enclosure type	Type 3R	
Communication	Fast Ethernet (FE), RS485, dry contact	
Installation method	Wall-mounted	
Standard Compliance		
Certifications	FCC Part 15 Subpart B, ICES-003, ANSI C63.4a:2017, UL 67, UL 869A UL 1741, UL 1741 PCS CRD, UL 3141, CSA C22.2 No.107.1-16, CA Proposition 65	

1. This refers to the load-side disruption time, to achieve this function Sigen LoadHub needs to be used together with Sigen Energy Controller US and Sigen Battery US. Test conditions: In the open-circuit state of the power grid, the nominal power of the Sigen Energy Controller US is higher than the total power of the home loads.
2. The MID Switch complies with UL Category NRNT2 and fullfils with the standards of UL 508, UL 60947-1, UL 60947-4-1, UL 61810-1 as well as UL 61810-20.

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