

# Test Verification of Conformity

Verification Number: 230721040GZU-VOC001

On the basis of the tests undertaken, the sample<s> of the below product have been found to comply with the requirements of the referenced specification<s>/standard<s> at the time the tests were carried out. This verification is part of the full test report<s> and should be read in conjunction with it <them>.

Applicant Name & Address:	Shanghai SIGEN New Energy Technology Co., Ltd. No. 175 Weizhan Road, Lingang New Area, China(Shanghai) Pilot Free Trade Zone, Shanghai, P.R.China
Product Description:	PV Grid inverter & Hybrid Inverter
Ratings & Principle Characteristics:	See Appendix: Test Verification of Conformity
Models/Type References:	SigenStor EC x TP, Sigen Hybrid x TP, SigenStor AC x TP, Sigen PV Max x TP (x: 5.0, 6.0, 8.0, 10.0, 12.0, 15.0, 17.0, 20.0, 25.0)
Brand Name:	 SIGENERGY
Relevant Standards/Directives:	Engineering Recommendation G100 Issue 2 2022 Amendment 2 Technical Requirements for Customers' Export and Import Limitation Schemes
Verification Issuing Office Name & Address:	Intertek Testing Services Shenzhen Ltd. Guangzhou Branch Room101/301/401/102/202/302/402/502/602/702/802, No. 7-2, Caipin Road, Huangpu District, Guangzhou, Guangdong, China
Date of Tests:	21 Jul. 2023 –13 Dec. 2023
Test Report Number(s):	230721040GZU-001, 14 Dec. 2023
Additional information in Appendix.	

*Jason Fu*

## Signature

**Name: Jason Fu**

**Position: Supervisor**

**Date: 14 December 2023**

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# APPENDIX: Test Verification of Conformity

This is an Appendix to Test Verification of Conformity Number: 230721040GZU-VOC001

## Ratings & Principle Characteristics:

SigenStor EC, Sigen Hybrid	5.0 TP	6.0 TP	8.0 TP	10.0 TP	12.0 TP	15.0 TP	17.0 TP	20.0 TP	25.0 TP
Input (PV)									
Recommended max. PV power	8000W	9600W	12800W	16000W	19200W	24000W	27200W	32000W	40000W
Max. input voltage	1100 Vd.c.								
MPPT voltage range	160~1000 Vd.c.								
Start-up voltage	180 Vd.c.								
Nominal DC input voltage	600 Vd.c.								
Max. input current per MPPT	16A								
Max. short-circuit current	20A								
Number of MPP trackers	2			3			4		
Max. input number per MPP tracker	1								
Input (DC Battery)									
Operating voltage range	600~900 Vd.c.								
Battery maximum continuous current	22.5A	27A	36A	40A					
Output (On Grid)									
Rated output power	5000W	6000W	8000W	10000W	12000W	15000W	17000W	20000W	25000W
Max. apparent power	5500VA	6600VA	8800VA	11000VA	13200VA	16500VA	18700VA	22000VA	27500VA
Max. output current	8.4A	10.0A	13.4A	16.7A	20.1A	25.1A	28.4A	33.4A	41.8A
Rated output voltage	380/220 Va.c., 400/230 Va.c.								
Rated AC grid frequency	50/60Hz								
Adjustable power factor	0.8 leading~ 0.8 lagging								
General Data									
Operating temperature range	-30 ~ + 60 °C								
Degree of protection	IP66								
FW Version	V100R001C21								

*Jason Fu*

### Signature

**Name: Jason Fu**

**Position: Supervisor**

**Date: 14 December 2023**

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## Ratings & Principle Characteristics:

SigenStor AC	5.0 TP	6.0 TP	8.0 TP	10.0 TP	12.0 TP	15.0 TP	17.0 TP	20.0 TP	25.0 TP
Input (DC Battery)									
Operating voltage range	600~900 Vd.c.								
Battery maximum continuous current	22.5A	27A	36A	40A					
Output (On Grid)									
Rated output power	5000W	6000W	8000W	10000W	12000W	15000W	17000W	20000W	25000W
Max. apparent power	5500VA	6600VA	8800VA	11000VA	13200VA	16500VA	18700VA	22000VA	27500VA
Max. output current	8.4A	10.0A	13.4A	16.7A	20.1A	25.1A	28.4A	33.4A	41.8A
Rated output voltage	380/220 Va.c., 400/230 Va.c.								
Rated AC grid frequency	50/60Hz								
Adjustable power factor	0.8 leading~ 0.8 lagging								
General Data									
Operating temperature range	-30 ~ + 60 °C								
Degree of protection	IP66								
FW Version	V100R001C21								

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## Ratings & Principle Characteristics:

Sigen PV Max	5.0 TP	6.0 TP	8.0 TP	10.0 TP	12.0 TP	15.0 TP	17.0 TP	20.0 TP	25.0 TP	
Input (PV)										
Recommended max. PV power	8000W	9600W	12800W	16000W	19200W	24000W	27200W	32000W	40000W	
Max. input voltage	1100 Vd.c.									
MPPT voltage range	160~1000 Vd.c.									
Start-up voltage	180 Vd.c.									
Nominal DC input voltage	600 Vd.c.									
Max. input current per MPPT	16A									
Max. short-circuit current	20A									
Number of MPP trackers	2			3			4			
Max. input number per MPP tracker	1									
Output (On Grid)										
Rated output power	5000W	6000W	8000W	10000W	12000W	15000W	17000W	20000W	25000W	
Max. apparent power	5500VA	6600VA	8800VA	11000VA	13200VA	16500VA	18700VA	22000VA	27500VA	
Max. output current	8.4A	10.0A	13.4A	16.7A	20.1A	25.1A	28.4A	33.4A	41.8A	
Rated output voltage	380/220 Va.c., 400/230 Va.c.									
Rated AC grid frequency	50/60Hz									
Adjustable power factor	0.8 leading~ 0.8 lagging									
General Data										
Operating temperature range	-30 ~ + 60 °C									
Degree of protection	IP66									
FW Version	V100R001C21									

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