

Certificate of Conformity

Certificate Number: CN-PV-230566

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. It does not imply that Intertek has performed any surveillance or control of the manufacture(s). The manufacturer(s) shall ensure that the manufacturing process assures compliance of the production units with the examined products mentioned in this certificate.

Applicant:	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:	PV Grid inverter & Hybrid Inverter
Ratings & Principle Characteristics:	See appendix of Certificate of Conformity
Model:	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<s>:	
Product Complies with:	TOR Erzeuger Typ A Version 1.2: 18 April 2022 Connection and parallel operation of power generation plants of type A and of small generation plants (maximum capacity <250 kW and nominal voltage <110 kV) OVE-Richtlinie R 25:2020-03-01
Certificate Issuing Office Name & Address:	Intertek Testing Services Ltd. Shanghai West Area, 2 nd Floor, No. 707, Zhangyang Road China (Shanghai) Pilot Free Trade Zone, Shanghai, P. R. China Accredited by ACCREDIA in accordance with ISO/IEC 17065:2012
Test Report No.<s>:	230705114GZU-001

Additional information in Appendix.



Signature

Certification Manager: Grady Ye

Date: 11 October 2023



PRD N° 306B

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APPENDIX: Certificate of Conformity

This is an Appendix to Certificate of Conformity Number: CN-PV-230566

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	40A								
Output (On Grid)									
Rated output power	5000W	6000W	8000W	10000W	12000W	15000W	17000W	20000W	25000W
Max. apparent power	5500W	6600W	8800W	11000W	13200W	16500W	18700W	22000W	27500W
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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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	40A								
Output (On Grid)									
Rated output power	5000W	6000W	8000W	10000W	12000W	15000W	17000W	20000W	25000W
Max. apparent power	5500W	6600W	8800W	11000W	13200W	16500W	18700W	22000W	27500W
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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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	5500W	6600W	8800W	11000W	13200W	16500W	18700W	22000W	27500W
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								
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