


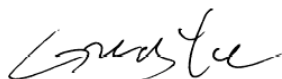
Certificate of Conformity

Certificate Number: CN-PVES-230566R1

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:	Sigenergy 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, 30.0)
Brand Name<s>:	 SIGENERGY
Product Complies with:	TOR Erzeuger Typ A Version 1.3: 01.07.2024 Connection and parallel operation of power generation plants of type A and of small generation plants (maximum capacity <250 kW and nominal voltage <110kV) OVE-Richtlinie R 25:2020
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>:	241223124GZU-001, 17 Mar. 2025

Replaces certificate CN-PV-230566, dated 11 October 2023.
Additional information in Appendix.



Signature

Certification Manager: Grady Ye
Date: 18 Mar. 2025



PRD N° 306B

This Certificate is for the exclusive use of Intertek's client and is provided pursuant to the agreement between Intertek and its Client. Intertek's responsibility and liability are limited to the terms and conditions of the agreement. Intertek assumes no liability to any party, other than to the Client in accordance with the agreement, for any loss, expense or damage occasioned by the use of this Certificate. Only the Client is authorized to permit copying or distribution of this Certificate. Any use of the Intertek name or one of its marks for the sale or advertisement of the tested material, product or service must first be approved in writing by Intertek.

APPENDIX: Certificate of Conformity

This is an Appendix to Certificate of Conformity Number: CN-PVES-230566R1

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	30.0TP
Input (PV)										
Recommended max. PV power	8000W	9600 W	12800 W	16000 W	19200W	24000W	27200W	32000W	40000W	48000W
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					65A	
Output (On Grid)										
Rated output power	5000W	6000 W	8000 W	10000 W	12000W	15000W	17000W	20000W	25000W	30000W
Max. apparent power	5500W	6600 W	8800 W	11000 W	13200W	16500W	18700W	22000W	27500W	33000VA*
Max. output current	8.4A	10.0A	13.4A	16.7A	20.1A	25.1A	28.4A	33.4A	41.8A	50.0A
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									

***Remark:**

According to the standard TOR Erzeuger Type A, SigenStor EC 30.0 TP, Sigen Hybrid 30.0 TP, Sigen AC 30.0 TP, Sigen PV Max 30.0 TP have a rated output power of 30.0 kW ($\cos\phi=1$) and a max. apparent power 30.0 kVA($\cos\phi=1$).

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APPENDIX (ANHANG)

Annex to Certificate No. (Anhang zur Zertifikatsnummer): CN-PVES-230566R1.

SignenStor 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	30.0 TP
Input (DC Battery)										
Operating voltage range	600~900 Vd.c.									
Battery maximum continuous current	22.5A	27A	36A	40A					65A	
Output (On Grid)										
Rated output power	5000 W	6000 W	8000 W	10000 W	12000W	15000W	17000W	20000W	25000W	30000W
Max. apparent power	5500 W	6600 W	8800 W	11000 W	13200W	16500W	18700W	22000W	27500W	33000VA *
Max. output current	8.4A	10.0A	13.4A	16.7A	20.1A	25.1A	28.4A	33.4A	41.8A	50.0A
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									

***Remark:**

According to the standard TOR Erzeuger Type A, SigenStor EC 30.0 TP, Sigen Hybrid 30.0 TP, Sigen AC 30.0 TP, Sigen PV Max 30.0 TP have a rated output power of 30.0 kW ($\cos\phi=1$) and a max. apparent power 30.0 kVA($\cos\phi=1$).

APPENDIX (ANHANG)

Annex to Certificate No. (Anhang zur Zertifikatsnummer): CN-PVES-230566R1.

Signen 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	30.0 TP
Input (PV)										
Recommended max. PV power	8000 W	9600W	12800 W	16000W	19200W	24000W	27200W	32000W	40000W	48000W
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	5000 W	6000W	8000W	10000W	12000W	15000W	17000W	20000W	25000W	30000W
Max. apparent power	5500 W	6600W	8800W	11000W	13200W	16500W	18700W	22000W	27500W	33000VA*
Max. output current	8.4A	10.0A	13.4A	16.7A	20.1A	25.1A	28.4A	33.4A	41.8A	50.0A
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									

***Remark:**

According to the standard TOR Erzeuger Type A, SigenStor EC 30.0 TP, Sigen Hybrid 30.0 TP, Sigen AC 30.0 TP, Sigen PV Max 30.0 TP have a rated output power of 30.0 kW ($\cos\phi=1$) and a max. apparent power 30.0 kVA($\cos\phi=1$).