


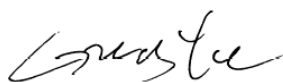
# Certificate of Conformity

Certificate Number: CN-PVES-240182

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.

<b>Applicant:</b>	Huawei Digital Power Technologies Co., Ltd. Office 01, 39th Floor, Block A, Antuoshan Headquarters Towers, 33 Antuoshan 6th Road, Futian District, Shenzhen, 518043, P.R.C.
<b>Product:</b>	Hybrid Inverter (optional accessory: Three-phase Whole Home Backup)
<b>Ratings &amp; Principle Characteristics:</b>	See appendix of Certificate of Conformity
<b>Model:</b>	SUN2000-5K-MAP0, SUN2000-6K-MAP0, SUN2000-8K-MAP0, SUN2000-10K-MAP0, SUN2000-12K-MAP0, SUN5000-8K-MAP0, SUN5000-12K-MAP0 Three-phase Whole Home Backup: SmartGuard-63A-T0
<b>Brand Name&lt;s&gt;:</b>	 HUAWEI
<b>Product Complies with:</b>	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
<b>Certificate Issuing Office Name &amp; Address:</b>	Intertek Testing Services Ltd. Shanghai West Area, 2nd 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
<b>Test Report No.&lt;s&gt;:</b>	240122192GZU-001, 10 May 2024

Additional information in Appendix.



**Signature**

**Certification Manager: Grady Ye**

**Date: 15 May 2024**



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-240182

Model	SUN2000-5K-MAPO	SUN2000-6K-MAPO
Max. Input voltage	1100Vdc	
MPPT voltage range	160 – 1000Vdc	
Max. input current	16Adc*2	
Max. Isc	22Adc*2	
Rated output power	5KW	6KW
Max. Output Apparent power	5.5KVA	6.6KVA
Nominal output voltage	3/N/PE 230Vac	
Max. input/output current	7.6/8.3Aac	9.1/10Aac
Battery voltage rang	600-980Vdc	
Max. charge/discharge current	20Adc	
Nominal output frequency	50Hz	
Power factor range	0.8(Leading) ~ 0.8(Lagging)	
Ingress protection	IP66	
Operation ambient temperature	-25°C - +60°C	
Software version	V200R024	

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-240182

Model	SUN2000-8K-MAP0 SUN5000-8K-MAP0	SUN2000-10K-MAP0	SUN2000-12K-MAP0 SUN5000-12K-MAP0
Max. Input voltage	1100Vdc		
MPPT voltage range	160 – 1000Vdc		
Max. input current	16Adc*2		
Max. Isc	22Adc*2		
Rated output power	8KW	10KW	12KW
Max. Output Apparent power	8.8KVA	11KVA	13.2KVA
Nominal output voltage	3/N/PE 230Vac		
Max. input/output current	12.1/13.3Aac	15.2/16.7Aac	18.2/20.2Aac
Battery voltage rang	600-980Vdc		
Max. charge/discharge current	20Adc		
Nominal output frequency	50Hz		
Power factor range	0.8(Leading) ~ 0.8(Lagging)		
Ingress protection	IP66		
Operation ambient temperature	-25 °C - +60 °C		
Software version	V200R024		

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-240182

Model	SmartGuard-63A-T0
Nominal Voltage	3/N/PE 220/230/240Vac
Inverter side Max Current	60Aac
Backup Max Load Current	63Aac
Non-backup Max Load Current	63Aac
Grid/ATS-side Max Current	63Aac
Rated Current	63A
Nominal Operating frequency	50/60Hz
Operation ambient temperature	-25°C - +50°C
Ingress protection	IP55

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.