

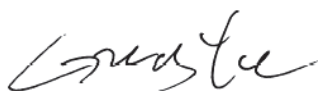
# Certificate of Conformity

Certificate Number: CN-PV-190009

On the basis of the tests undertaken, the samples of the below product have been found to comply with the requirements of the referenced specification/standard at the time the tests were carried out. It does not imply that Intertek has performed any surveillance or control of the manufacture. The manufacturer shall ensure that the manufacturing process assures compliance of the production units with the examined products mentioned in this certificate.

<b>Applicant Name &amp; Address:</b>	Guangzhou Sanjing Electric Co., Ltd. No.9, Lizhishan Road, Science City, Guangzhou High-tech Zone, Guangdong, P.R.China
<b>Product Description:</b>	PV Grid-connected Inverter
<b>Ratings &amp; Principle Characteristics:</b>	See appendix for more parameter details.
<b>Models/Type References:</b>	Sununo Plus 1K, Sununo Plus 1.5K, Sununo Plus 2K, Sununo Plus 2.5K, Sununo Plus 3K, Sununo Plus 3K-M, Sununo Plus 4K-M, Sununo Plus 5K-M, Sununo Plus 6K-M Firmware Version: Control board: V1.107, Display board: V1.262 Number of phases: single-phase Nominal Power: See page 2-3 for details
<b>Brand Name:</b>	
<b>Tested according to:</b>	CEI 0-21:2019-04: Reference technical rules for the connection of active and passive users to the LV electrical Utilities
<b>Certificate Issuing Office Name &amp; Address:</b>	Intertek Testing Services Ltd. Shanghai 2/F (West Side), No. 707, Zhangyang Road, Free Trade Experimental Area, Shanghai, P. R. China Accredited by China National Accreditation Service for Conformity Assessment (CNAS C058-P) in accordance with ISO/IEC 17065:2012
<b>Test Report Number:</b>	190619125GZU-001

Certification procedure: SMS-PV-OP-19  
Product certification scheme type: Type test  
Additional information in Appendix.



**Signature**  
**Certification Manager: Grady Ye**  
**Date: 06 Sep 2019**



中国认可  
产品  
**PRODUCT**  
**CNAS C058-P**

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-PV-190009

Model	Sununo Plus 1K	Sununo Plus 1.5K	Sununo Plus 2K	Sununo Plus 2.5K	Sununo Plus 3K
Input (DC)					
Max. DC Voltage [V]	450	450	500	500	550
MPPT Voltage Range [V]	110-425	150-425	215-450	320-450	290-500
Max. DC Input Current PV1 / PV2 [A]	11				
Short Circuit Current Isc [A]	13.2				
Backfeed Current[A]	0				
Number of MPPT	1				
Output (AC)					
Rated AC Power [VA] (@230V,50Hz)	1000	1500	2000	2500	3000
Max. AC Apparent Power [VA]	1100	1650	2200	2750	3000
Rated AC Current[A] (@230V,50Hz)	4.3	6.5	8.7	10.9	13.0
Max. AC Current [A]	4.8	7.2	9.7	12.8	14.5
Nominal AC voltage	230V				
Grid frequency	50Hz				
Safety level	Class I				
Ingress Protection	IP 65				
Operation Ambient Temperature	-25°C - 60°C				
Software version	Control board: V1.107, Display board: V1.262				

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## APPENDIX: Certificate of Conformity

This is an Appendix to Certificate of Conformity Number: CN-PV-190009

Model	Sununo Plus 3K-M	Sununo Plus 4K-M	Sununo Plus 5K-M	Sununo Plus 6K-M
Input (DC)				
Max. DC Voltage [V]	600			
MPPT Voltage Range [V]	160-550	210-550	235-550	90-550
Max. DC Input Current PV1 / PV2 [A]	11/11			
Short Circuit Current Isc [A]	13.2/13.2			
Backfeed Current[A]	0			
Number of MPPT	2			
Output (AC)				
Rated AC Power [VA] (@230V,50Hz)	3000	4000	5000	6000
Max. AC Apparent Power [VA]	3300	4400	5000	6000
Rated AC Current[A] (@230V,50Hz)	13.0	17.4	21.7	26.1
Max. AC Current [A]	15.0	21.0	25.0	28.7
Nominal AC voltage	230V			
Grid frequency	50Hz			
Safety level	Class I			
Ingress Protection	IP 65			
Operation Ambient Temperature	-25°C - 60°C			
Software version	Control board: V1.107, Display board: V1.262			

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**Verification of certificate with test report: 190619125GZU-001**

**TYPE OF APPARATUS:**

(the static converters in systems with capacity up to 11.08 kW )

DISCONNECTION DEVICE	INTERFACE PROTECTION DEVICE	DEVICE FOR CONVERSION	ROTATING GENERATOR DEVICE
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	

Manufacturer: Guangzhou Sanjing Electric Co., Ltd.

Apparatus type: PV Grid-connected Inverter

Model: Sununo Plus 1K, Sununo Plus 1.5K, Sununo Plus 2K, Sununo Plus 2.5K, Sununo Plus 3K,  
Sununo Plus 3K-M, Sununo Plus 4K-M, Sununo Plus 5K-M, Sununo Plus 6K-M

Firmware Version: Control board: V1.107, Display board: V1.262

Number of phases: single-phase

Nominal power: See certificate for each model

Remark: The devices are capable to limit  $I_{dc}$  to 0.5% of the rated grid current

Having assessed the test report 190619125GZU-001 Issued by laboratory:

Intertek Testing Services Shenzhen Ltd. Guangzhou Branch

Block E, No.7-2 Guang Dong Software Science Park, Caipin Road, Guangzhou Science City, GETDD,  
Guangzhou, China

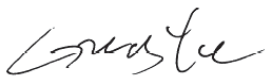
In compliant with ISO/IEC 17025:2017

Accreditation number: CNAS L0220

Having examined the ISO 9001 certificate of the manufacturer No: U0019Q50075RIM issued by:

Zhongjian Certification Co., Ltd

The indicated product complies with CEI 0-21:2019-04: Reference technical rules for the connection of active and passive users to the LV electrical Utilities



**Signature**

**Name: Grady Ye**

**Date: 06 Sep 2019**

TYPE OF APPARATUS:

( the static converters in systems with capacity more than 11.08 kW )

DISCONNECTION DEVICE	INTERFACE PROTECTION DEVICE	DEVICE FOR CONVERSION	ROTATING GENERATOR DEVICE
		<input checked="" type="checkbox"/>	

Manufacturer: Guangzhou Sanjing Electric Co., Ltd.

Apparatus type: PV Grid-connected Inverter

Model: Sununo Plus 1K, Sununo Plus 1.5K, Sununo Plus 2K, Sununo Plus 2.5K, Sununo Plus 3K,  
Sununo Plus 3K-M, Sununo Plus 4K-M, Sununo Plus 5K-M, Sununo Plus 6K-M

Firmware Version: Control board: V1.107, Display board: V1.262

Number of phases: single-phase

Nominal power: See certificate for each model

Remark: The devices are capable to limit  $I_{dc}$  to 0.5% of the rated grid current

Certificate Issuing Office:

Intertek Testing Services Ltd. Shanghai

Accredited in accordance with ISO/IEC 17065:2012

Having assessed the test report 190619125GZU-001 issued by laboratory:

Intertek Testing Services Shenzhen Ltd. Guangzhou Branch

Block E, No.7-2 Guang Dong Software Science Park, Caipin Road, Guangzhou Science City, GETDD,  
Guangzhou, China

In compliant with ISO/IEC 17025:2017

Accreditation number: CNAS L0220

Having examined the ISO 9001 certificate of the manufacturer No: U0019Q50075RIM issued by:

Zhongjian Certification Co., Ltd

The indicated product complies with CEI 0-21:2019-04: Reference technical rules for the connection of active and passive users to the LV electrical Utilities