

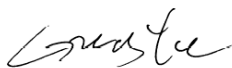
Certificate of Conformity

Certificate Number: CN-PV-220131

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:	Guangzhou Sanjing Electric Co., Ltd. No.9, Lizhishan Road, Science City, Guangzhou High-tech Zone, Guangdong, P.R.China
Product:	PV Grid-connected Inverter
Ratings & Principle Characteristics:	See appendix of Certificate of Conformity
Model:	R5-3K-S2, R5-3.6K-S2, R5-4K-S2, R5-5K-S2, R5-6K-S2, R5-7K-S2, R5-8K-S2, R5-3K-S2-15, R5-3.6K-S2-15, R5-4K-S2-15, R5-5K-S2-15, R5-6K-S2-15, R5-7K-S2-15, R5-8K-S2-15
Brand Name<s>:	
Product Complies with:	NTS-631:2020 Technical standard for monitoring the compliance of power generating modules according to EU Regulation 2016/631
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>:	220614050GZU-001

Additional information in Appendix.



Signature

Certification Manager: Grady Ye

Date: 06 July 2022



PRD N° 306B

APPENDIX: Certificate of Conformity

This is an Appendix to Certificate of Conformity Number: CN-PV-220131.

Unit / Type	R5-3K-S2, R5-3K-S2-15	R5-3.6K-S2, R5-3.6K-S2-15	R5-4K-S2, R5-4K-S2-15	R5-5K-S2, R5-5K-S2-15	R5-6K-S2, R5-6K-S2-15	R5-7K-S2, R5-7K-S2-15	R5-8K-S2, R5-8K-S2-15
Hardware version / Serial No. (tested)..	R5-3K-S2, R5-4K-S2, R5-5K-S2, R5-6K-S2, R5-3K-S2-15, R5-4K-S2-15, R5-5K-S2-15, R5-6K-S2-15: Main power board: V1.11, Control board: V1.1 R5-7K-S2, R5-8K-S2, R5-7K-S2-15, R5-8K-S2-15: Main power board: V1.32, Control board: V1.3						
Firmware version / Software version (tested)	V1.188						
MPP DC voltage range [V]	90-550						
Input DC voltage range [V]	80-600						
Max. Input DC current [A]	12.5/12.5 ¹⁾ or 15/15 ²⁾						
Max. Short circuit[A]	15/15 ¹⁾ or 18/18 ²⁾						
Nominal output AC voltage [V]	230V (L+ N + PE, 50/60Hz)						
Max. Output AC current [A]	15,0	16,7	20,0	22,7	27,3	35,0	36,4
Nominal active output power [kW].....	3,0	3,68	4,0	5,0	6,0	7,0	8,0
Max, apparent / active output power [kVA / kW]	3,3	3,68	4,4	5,0	6,0	7,7	8,0

1) Max. Input current (A) = 12.5 and Max. Short circuit(A) =15A for R5-3K-S2, R5-3.6K-S2, R5-4K-S2, R5-5K-S2, R5-6K-S2, R5-7K-S2, R5-8K-S2.

2) Max. Input current (A) = 15 and Max. Short circuit(A) =18A for R5-3K-S2-15, R5-3.6K-S2-15, R5-4K-S2-15, R5-5K-S2-15, R5-6K-S2-15, R5-7K-S2-15, R5-8K-S2-15

APPENDIX: Certificate of Conformity

This is an Appendix to Certificate of Conformity Number: CN-PV-220131.

Requisito / Requirement	NTS	Tipo / Type	Cumplimiento / Complicant	Nombre Entidad Emisora / Name of issuing Entity	Ev. (*)
Modo regulación potencia-frecuencia limitado sobrefrecuencia (MRPFL-O) / Power-frequency regulation mode limited to overfrequency (MRPFL-O)	5.1	≥A	YES (TRF No. 220614050GZU-001)	Intertek	P
Modo regulación potencia-frecuencia limitado-subfrecuencia (MRPFL-U) / Power-frequency regulation mode limited to underfrequency (MRPFL-U)	5.2	≥C	NO APPLICABLE	--	--
Modo regulación potencia-frecuencia (MRPF) / Power-frequency regulation mode (MRPF)	5.3	≥C	NO APPLICABLE	--	--
Control de potencia-frecuencia / Frequency Control	5.4	≥C	NO APPLICABLE	--	--
Capacidad de control y el rango de control de la potencia activa en remote / Active Power Requirements	5.5	≥C	NO APPLICABLE	--	--
Emulación de inercia durante variaciones de frecuencia muy rápidas / Intertia Emualtions	5.6	≥C	NO APPLICABLE	--	--
Capacidad de potencia reactiva a la capacidad máxima y por debajo / Reactive power capabilities at the EUT rated power and below	5.7	≥B	NO APPLICABLE	--	--
Modos de control de la potencia reactiva / Reactive power control modes	5.8	≥B	NO APPLICABLE	--	--
Control de amortiguamiento de oscilaciones / Control of oscillation damping	5.10	≥C	NO APPLICABLE	--	--
Capacidad para soportar huecos de tensión de los MPE conectados por debajo de 110 kV / Capability to withstand voltage grid faults for POC below 110 kV	5.11	≥B	NO APPLICABLE	--	--
Capacidad para soportar huecos de tensión de los MPE conectados por encima de 110 kV / Capability to withstand voltage grid faults for POC above 110 kV	5.11	D	NO APPLICABLE	--	--
Recuperación de la potencia activa después de una falta / Active power recovery after a grid fault	5.11	≥B	NO APPLICABLE	--	--
Inyección rápida de corriente de falta en el punto de conexión en caso de faltas trifásicas) simétricas / Rapid current injection control	5.11	≥B	NO APPLICABLE	--	--
Capacidad de participar en el funcionamiento en isla / Islanding requirements	5.13	≥C	NO APPLICABLE	--	--
(*) Evaluado por / Evaluated by: P: Prueba de conformidad / Test of compliance S: Simulación de conformidad / Simulation of compliance					

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