



Certificate of Conformity

Certificate Number: CN-PV-230277

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:	UNE 217001:2020 Tests for systems that avoid the discharge of energy to the distribution network
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>:	220411134GZU-001

Additional information in Appendix.



Signature

Certification Manager: Grady Ye
Date: 31 May 2023



PRD N° 306B

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APPENDIX: Certificate of Conformity

This is an Appendix to Certificate of Conformity Number: CN-PV-230277

Model list		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
PV INPUT	VMAX PV[Vdc]	600			
	ISC PV[A]	15/15, 18/18(for suffix with '-15' models)			
	MPPT Voltage Range VMPP[Vdc]	90-550			
	Max. Input Current I _{MAX} [A]	12.5/12.5, 15/15(for suffix with '-15' models)			
	Backfeed Current [A]	0			
	Oversvoltage Category [OVC]	II			
AC Side (ON-Grid)	Rated Output Voltage U _r [Vac]	230			
	Rated Output Frequency F _{NETZ} [Hz]	50/60			
	Rated Output Power P _E [KW]	3000	3680	4000	5000
	Max. Apparent power S _{Emax} [KVA]	3300	3680	4400	5500
	Rated Output Current I _r [A]	13.1	16	17.4	21.8
	Max. Output Current I _{max} [A]	14.4	16	19.2	24.0
	Power Factor (cosφ)	0.8 leading ~ 0.8 lagging			
	THD [V/I](100% full power)	< 3%			
	Oversvoltage Category [OVC]	III			
	Hardware [Version]	Main power board: V1.32, Control board: V1.3			
Firmware [Version]	V1.188				
Array Insulation Resistance Detection[Ω]	150K				
Type of inverter	Non-isolated				
Separated by	Transformerless				
Type of NS Protection	Integrated				
Protective Class	Class I				
Enclosure Protection [IP]	IP65				
Operating Temperature Range [°C]	-40°C to +60°C(45°C to 60°C with derating)				
Pollution degree [PD]	PD 3 (outside), PD 2 (inside)				
Remark:					

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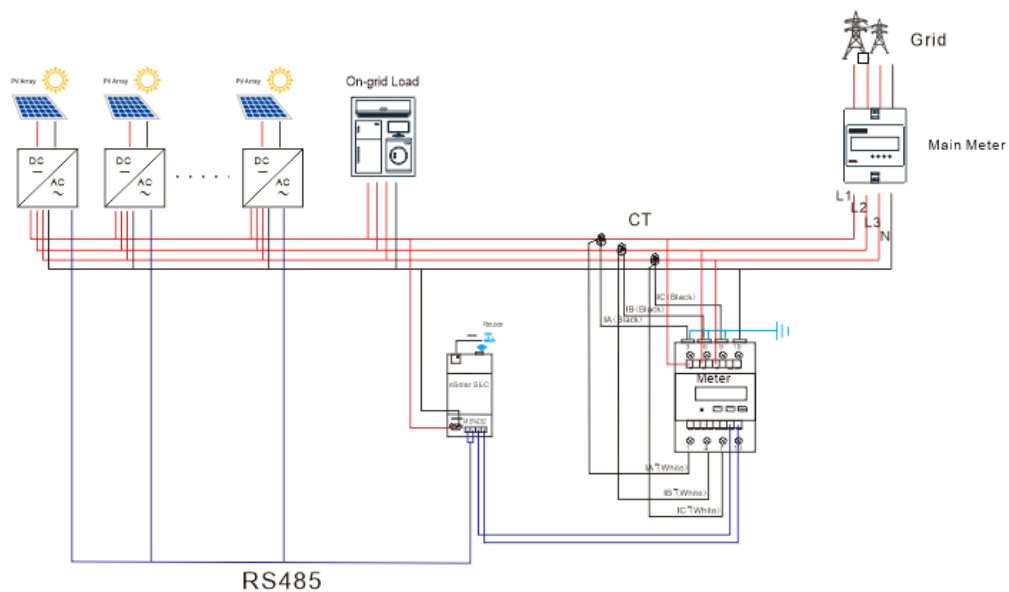
Model list		R5-6K-S2, R5-6K-S2-15	R5-7K-S2, R5-7K-S2-15	R5-8K-S2, R5-8K-S2-15
PV INPUT	VMAX PV[Vdc]	600		
	ISC PV[A]	15/15, 18/18(for suffix with '-15' models)	30/15, 36/18 (for suffix with '-15' models)	
	MPPT Voltage Range VMPP[Vdc]	90-550		
	Max. Input Current IMAX [A]	12.5/12.5, 15/15(for suffix with '-15' models)	25/12.5, 30/15 (for suffix with '-15' models)	
	Backfeed Current [A]	0		
	Oversvoltage Category [OVC]	II		
AC Side (ON-Grid)	Rated Output Voltage Ur [Vac]	230		
	Rated Output Frequency FNETZ [Hz]	50/60		
	Rated Output Power PE [KW]	6000	7000	8000
	Max. Apparent power SEmax [KVA]	6000	7700	8000
	Rated Output Current Ir [A]	26.1	30.5	34.8
	Max. Output Current Imax [A]	26.1	33.5	34.8
	Power Factor (cosφ)	0.8 leading ~ 0.8 lagging		
	THD [V/I] (100% full power)	< 3%		
	Oversvoltage Category [OVC]	III		
	Hardware [Version]	Main power board: V1.32, Control board: V1.3		
Firmware [Version]	V1.188			
Array Insulation Resistance Detection[Ω]	150K			
Type of inverter	Non-isolated			
Separated by	Transformerless			
Type of NS Protection	Integrated			
Protective Class	Class I			
Enclosure Protection [IP]	IP65			
Operating Temperature Range [°C]	-40°C to +60°C (45°C to 60°C with derating)			
Pollution degree [PD]	PD 3 (outside), PD 2 (inside)			
Remark:				

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Installation scheme:



Maximum number of inverters to be connected in parallel is:

Using energy meter CHINT DTSU666, maximum number of inverters connected in parallel are 8