

Certificate of Conformity

Certificate Number: CN-PV-230066

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: TSUNESS Co., Ltd

No. 2266, Taiyang Road, High-speed Rail New Town, Xiangcheng District,

Suzhou City, Jiangsu Province, 215133, P.R. China

Product: Microinverter

Ratings & Principle Characteristics:

See appendix of Certificate of Conformity

Model: TSOL-MS300, TSOL-MS350, TSOL-MS400, TSOL-MS600, TSOL-MS700,

TSOL-MS800

Brand Name<s>: TSUN

Product Complies with: EN 50549-1:2019 Requirements for the connection of generation equipment

in parallel with public distribution networks

PSE: 18 Dec 2018, requirements of general application resulting from

Commission Regulation (EU)2016/631 of 14 April 2016 establishing a network

code on requirements for grid connection of generators (NC RfG)

Certificate Issuing Office

Name & Address:

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

Test Report No.<s>: 221101454SHA-001

Additional information in Appendix.

Signature

Certification Manager: Qiao Qiao

Date: 28 February 2023



PRD N° 306B

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APPENDIX: Certificate of Conformity

This is an Appendix to Certificate of Conformity Number: CN-PV-230066

Ratings & Principle Characteristics:

	Specification	ns table		
Model	TSOL-MS300	TSOL-MS350	TSOL-MS400	
Input Data (DC)	0 11 0			
Vmax PV (Vdc)	60	60	60	
Isc PV (absolute Max.) (A)	15	20	20	
Number of MPP Trackers	1	1	1	
Number of Input Strings	1	1	1	
Max. PV Input Current(A)	12.5	13.3	14	
MPPT Voltage Range (Vdc)	16-60	16-60	16-60	
Output Data (AC)				
Nominal Output Voltage(V)	L/N/PE 230Vac			
Nominal Frequency (Hz)	50Hz			
Max. Continuous Output Current(A)	1.45	1.59	2	
Nominal Continuous Output Power (kW)	0.3	0.35	0.4	
Max. Continuous Output Power (kVA)	0.3	0.35	0.4	
Power factor /(default)	-0.8~+0.8			
Others				
Protective Class	Class I			
Ingress Protection (IP)	IP 67			
Operating Ambient Temperature Range (°C)	-40°C to +65°C			
Type Of Isolation	☐Non-isolated ⊠High frequency isolated			
Over Voltage Category	OVC III (AC Main), OVC II (PV)			
Dimension (mm)	178mm * 153mm * 28mm			
Weight (kg)	1.98kg			
Firmware Version	Software Version: V1.0			

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APPENDIX: Certificate of Conformity

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Ratings & Principle Characteristics:

	Specification	s table		
Model	TSOL-MS600	TSOL-MS700	TSOL-MS800	
Input Data (DC)		11 11		
Vmax PV (Vdc)	60	60	60	
Isc PV (absolute Max.) (A)	2*15	2*20	2*20	
Number of MPP Trackers	2	2	2	
Number of Input Strings	1/1	1/1	1/1	
Max. PV Input Current(A)	2X12.5	2X13.3	2X14	
MPPT Voltage Range (Vdc)	16-60	16-60	16-60	
Output Data (AC)	-	97	-	
Nominal Output Voltage(V)	L/N/PE 230Vac			
Nominal Frequency (Hz)	50Hz			
Max. Continuous Output Current(A)	3	3.19	4	
Nominal Continuous Output Power (kW)	0.6	0.7	0.8	
Max. Continuous Output Power (kVA)	0.6	0.7	0.8	
Power factor /(default)	-0.8~+0.8			
Others	//	11 4		
Protective Class	Class I			
Ingress Protection (IP)	IP 67			
Operating Ambient Temperature Range (°C)	-40°C to +65°C (>50°C derating)			
Type Of Isolation	☐Non-isolated ⊠High frequency isolated			
Over Voltage Category	OVC III (AC Main), OVC II (PV)			
Dimension (mm)	250mm * 170mm * 28mm			
Weight (kg)	3kg			
Firmware Version	Software Version: V1.0			

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