

## Certificate of Conformity

## Certificate Number: CN-PV-190001

On the basis of the tests undertaken, the samples of the below product have been found to comply with the requirements of the referenced specifications /standards 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.

Applicant Name & Address:	Shenzhen SOFAR SOLAR Co., Ltd.
	401, Building 4, AnTongDa Industrial Park, District 68, XingDong Community, XinAn Street, BaoAn District, Shenzhen, China
Product Description:	Solar Grid-tied Inverter
Ratings & Principle Characteristics:	See Annex to Certificate of Conformity
Models/Type References:	SOFAR 3.3KTL-X, SOFAR 4.4KTL-X, SOFAR 5KTL-X, SOFAR 5.5KTL-X, SOFAR 6.6KTL-X, SOFAR 8.8KTL-X, SOFAR 11KTL-X, SOFAR 12KTL-X
Brand Name:	SOFAR SOLAR
Specification/Standard:	EN 50549-1: 2019, Requirements for generating plants to be connected in parallel with distribution networks Part 1: Connection to a LV distribution network - Generating plants up to and including Type B Compliant with COMMISSION REGULATION (EU) 2016/631 (NC RfG) Type approval for type B
Certificate Issuing Office Name & Address:	Intertek Testing Services Ltd. Shanghai 2/F (West Side), No. 707, Zhangyang Road, Free Trade Experimental Area, Shanghai, P. R. China
Test Report Number:	190430029GZU-001
Additional information in Append	lix.

Additional information in Appendix.

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Signature

Name: Grady Ye Position: Certifier Date: 07 Aug 2019

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-190001.

## Rating Charac

MODEL $3.3 \text{ KTL-} X$ $4.4 \text{ KTL-} X$ $5 \text{ KTL-X}$ $5.5 \text{ KTL-X}$ $6.6 \text{ M}$ Max PV voltage1000VdcMPPT Voltage range160-960VdcMax. input current11/11APV Isc14/14AMax power(VA)33004400500055006Max output current3×4.8 A3×6.4 A3×8.0A $3 \times 8.0$ 3Output voltage3W/N/PE230Vac/400Vac33Output voltage3W/N/PE230Vac/400Vac3Nominal Frequency50 Hz50 Hz9Power Factor0.8 Leading to 0.8 Lagging4mbient Temperature-25°C - +60°CProtection DegreeIP659165Protection ClassClass I11/11X12KTL-MODELSOFAR 8.8KTL- XSOFAR 11/KTL-XSOFAR 12/KTL-SOFAR 11/KTL-X	FAR TL-X		
MPPT Voltage range   160-960Vdc     Max. input current   11/11A     PV lsc   14/14A     Max power(VA)   3300   4400   5000   5500   6     Max output current   3x4.8 A   3x6.4 A   3x8.0A   3   8   3     Output voltage   3w/N/PE   230Vac/400Vac   300   400   50 Hz   14/14A     Nominal Frequency   50 Hz   50 Hz   50 Hz   14/14A   10   10     Power Factor   0.8 Leading to 0.8 Lagging   3w/N/PE   230Vac/400Vac   10	9.6		
range   180-960 vuc     Max. input current   11/11A     PV lsc   14/14A     Max power(VA)   3300   4400   5000   5500   6     Max output current   3x4.8 A   3x6.4 A   3x8.0A   3x8.0   3     Output voltage   3W/N/PE   230Vac/400Vac   3   3     Nominal Frequency   50 Hz   50 Hz   9   9     Power Factor   0.8 Leading to 0.8 Lagging   4   4   4     Ambient   -25°C - +60°C   -25°C - +60°C   1   1     Protection Degree   IP65   1   1   1   1     MODEL   SOFAR 8.8KTL-   SOFAR 11KTL-X   SOFAR 12KTL-   1   1	9.6		
Max. input current11/11APV lsc $14/14A$ Max power(VA)33004400500055006Max output current $3\times4.8$ A $3\times6.4$ A $3\times8.0$ A $3\times8.0$ A $3\times8.0$ A $3\times8.0$ A $3$ Output voltage $3W/N/PE$ 230Vac/400Vac $A$ $A$ $A$ $A$ $A$ $A$ Nominal Frequency $50$ Hz $50$ Hz $A$ $A$ $A$ $A$ Power Factor $0.8$ Leading to $0.8$ Lagging $A$ $A$ $A$ $A$ Ambient Temperature $-25^{\circ}C - +60^{\circ}C$ $A$ $A$ $A$ Protection Degree $IP65$ $IP65$ $A$ $A$ MODEL $SOFAR 8.8$ KTL- X $SOFAR$ $11KTL-XSOFAR12KTL-SOFAR$	9.6		
Max power(VA)330044005000550066Max output current $3 \times 4.8 \text{ A}$ $3 \times 6.4 \text{ A}$ $3 \times 8.0  $	9.6		
Max output current3x4.8 A3x6.4 A3x8.0A3x8.0 A	9.6		
Max output current   3x4.8 A   3x6.4 A   3x8.0A   A     Output voltage   3W/N/PE   230Vac/400Vac     Nominal Frequency   50 Hz     Power Factor   0.8 Leading to 0.8 Lagging     Ambient   -25°C - +60°C     Protection Degree   IP65     Protection Class   Class I     MODEL   SOFAR 8.8KTL-   SOFAR     X   11KTL-X   12KTL-			
Nominal Frequency   50 Hz     Power Factor   0.8 Leading to 0.8 Lagging     Ambient   -25°C - +60°C     Protection Degree   IP65     Protection Class   Class I     MODEL   SOFAR 8.8KTL- X   SOFAR 11KTL-X   SOFAR 12KTL-			
Power Factor 0.8 Leading to 0.8 Lagging   Ambient Temperature -25°C - +60°C   Protection Degree IP65   Protection Class Class I   MODEL SOFAR 8.8KTL- X SOFAR 11KTL-X SOFAR 12KTL-			
Ambient Temperature -25°C - +60°C   Protection Degree IP65   Protection Class Class I   MODEL SOFAR 8.8KTL- X SOFAR 11KTL-X SOFAR 12KTL-			
Temperature -25°C - +60°C   Protection Degree IP65   Protection Class Class I   MODEL SOFAR 8.8KTL- X SOFAR 11KTL-X SOFAR 12KTL-			
Protection Class Class I   MODEL SOFAR 8.8KTL- X SOFAR 11KTL-X SOFAR 12KTL-	-25℃ - +60℃		
MODEL SOFAR 8.8KTL- X 11KTL-X 12KTL-			
X 11KTL-X 12KTL-	Class I		
Max PV voltage 1000Vdc	1000Vdc		
MPPT Voltage 160-960Vdc range	160-960Vdc		
Max. input current 11/11A			
PV Isc 14/14A			
Max power(VA) 8800 11000 13200			
Max output current 3x12.8 A 3x15.9 A 3x19.1	A 3×19.1 A		
Output voltage 3W/N/PE 230Vac/400Vac	3W/N/PE 230Vac/400Vac		
Nominal Frequency 50 Hz			
Power Factor 0.8 Leading to 0.8 Lagging			
Ambient -25°C - +60°C	-25℃ - +60℃		
Protection Degree IP65			
Protection Class Class I			

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