

VERIFICATION OF COMPLIANCE

No.: **GZES2105019404PV**

Applicant: Shenzhen SOFARSOLAR Co., Ltd.
401, Building 4, AnTongDa Industrial Park, District 68, XingDong
Community, XinAn Street, BaoAn District, Shenzhen, China

Manufacturer: Shenzhen SOFARSOLAR Co., Ltd.
401, Building 4, AnTongDa Industrial Park, District 68, XingDong
Community, XinAn Street, BaoAn District, Shenzhen, China

Product Name: **Single phase PV Inverter**

Product Description: Inverter used in PV system

Model No.: SOFAR 7KTLM-G3, SOFAR 7.7KTLM-G3, SOFAR 8KTLM-G3,
SOFAR 9KTLM-G3, SOFAR 10KTLM-G3, SOFAR 10.5KTLM-G3

Trade Mark: 

Rating: Refer to page 2

Intended Use: PV System

Protection against Electric Shock: Class I

Additional Information (if any): IP 65

Firmware version: V000001

Sufficient samples of the product have been tested and found to be in conformity with

Test Standard: Refer to page 3

as shown in the

Test Report Number(s): GZES210501940401, GZES210501940402
GZES210501940403, GZES210501940404

This Verification of Compliance has been granted to the applicant based on the results of tests, performed by Laboratory of SGS-CSTC Standards Technical Services Co., Ltd. on sample of the above-mentioned product in accordance with the provisions of the relevant specific standards.



David Guo
Senior Technical Manager
SGS-CSTC

2021-07-08

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Other information added :
Ratings

Model	SOFAR 7KTLM-G3	SOFAR 7.7KTLM- G3	SOFAR 8KTLM-G3	SOFAR 9KTLM-G3	SOFAR 10KTLM-G 3	SOFAR 10.5KTLM- G3
DC Input						
Max. DC voltage (Vdc)	600					
MPPT voltage range (Vdc)	80 - 550					
Full load MPPT voltage range (Vdc)	200 - 500	200 - 500	230 - 500	260 - 500	280 - 500	300 - 500
Max. input current (A)	20 / 16 / 16					
Max. input short circuit current (A)	30 / 25 / 25					
AC Output						
Rated power (W)	7000	7700	8000	9000	10000	10500
Max. AC power (VA)	7700	7700	8800	9900	10000	10500
Nominal output current (A)	31.8	35	36.4	40.9	45.5	45.6
Max. output current (A)	35	35	40	45	46	46
Nominal grid voltage	L/N/PE, 230V					
Nominal output frequency	50Hz/60Hz					
Output power factor	1 (Adjustable from 0.8 leading to 0.8 lagging)					
Operating temperature range	-30°C to +65°C (derating at +45°C)					
Ingress protection	IP65					
Protective class	Class I					



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Test

IEC 60068-2-1:2007. Environmental testing. Part 2-1: Tests. Test Ae: Cold.

Standards:

IEC 60068-2-2:2007. Environmental testing. Part 2-2: Tests. Test Be: Dry heat.

IEC 60068-2-14:2009. Environmental testing. Part 2-14: Tests. Test Nb: Change of temperature.

IEC 60068-2-30:2005. Environmental testing. Part 2-30: Tests. Test Db-Variant 1: Damp heat, cyclic (12 h + 12 h cycle).

IEC 61683:1999. Photovoltaics systems - Power conditioners - Procedure for measuring efficiency.

IEC 62116:2014. Test procedure of islanding prevention measures for utility-interconnected photovoltaic inverters.

IEC 61727:2004. Photovoltaics (PV) systems - Characteristics of the utility interface.



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