



Product Service

# CERTIFICATE

No. Z2 099333 0045 Rev. 19

**Holder of Certificate:** **LONGi Green Energy Technology Co., Ltd.**

No. 388, Middle Hangtian Road  
Chang'an District  
710100 Xi'an City, Shaanxi  
PEOPLE'S REPUBLIC OF CHINA

**Certification Mark:**



**Product:**

**Crystalline Silicon Terrestrial Photovoltaic (PV) Modules**  
**Mono-Crystalline Silicon Photovoltaic Module**

The product was tested on a voluntary basis and complies with the essential requirements. The certification mark shown above can be affixed on the product. It is not permitted to alter the certification mark in any way. In addition, the certification holder must not transfer the certificate to third parties. This certificate is valid until the listed date, unless it is cancelled earlier. All applicable requirements of the testing and certification regulations of TÜV SÜD Group have to be complied. For details see: [www.tuvsud.com/ps-cert](http://www.tuvsud.com/ps-cert)

**Test report no.:** 704061700516-19

**Valid until:** 2027-03-17

**Date,** 2022-03-18

( Zhulin Zhang )

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## Model(s):

LR6-72HV-xxxM, (xxx=335-360 in step of 5)  
 LR6-60HV-xxxM, (xxx=280-300 in step of 5)  
 LR6-72PH-xxxM, (xxx=340-380 in step of 5)  
 LR6-60PH-xxxM, (xxx=285-315 in step of 5)  
 LR6-72HPH-xxxM, (xxx=365-395 in step of 5)  
 LR6-72HIH-xxxM, (xxx=365-395 in step of 5)  
 LR6-60HPH-xxxM, (xxx=300-325 in step of 5)  
 LR6-60HIH-xxxM, (xxx=300-325 in step of 5)  
 LR6-72OPH-xxxM, (xxx=385-415 in step of 5)  
 LR6-60OPH-xxxM, (xxx=335-365 in step of 5)  
 LR6-72HPH-xxxMC, (xxx=375-390 in step of 5)  
 LR6-60HPH-xxxMC, (xxx=305-325 in step of 5)  
 LR4-72HPH-xxxM, (xxx=420-465 in step of 5)  
 LR4-72HIH-xxxM, (xxx=420-465 in step of 5)  
 LR4-60HPH-xxxM, (xxx=350-380 in step of 5)  
 LR4-60HIH-xxxM, (xxx=350-380 in step of 5)  
 LR4-72ZPH-xxxM, (xxx=420-435 in step of 5)  
 LR4-60ZPH-xxxM, (xxx=350-365 in step of 5)  
 LR6-60ZPH-xxxM, (xxx=330-355 in step of 5)  
 LR4-78ZPH-xxxM, (xxx=455-485 in step of 5)  
 LR5-72HPH-xxxM, (xxx=525-555 in step of 5)  
 LR5-66HPH-xxxM, (xxx=480-505 in step of 5)  
 LR4-66HPH-xxxM, (xxx=395-415 in step of 5)  
 LR4-66HIH-xxxM, (xxx=395-415 in step of 5)  
 LR5-72HIH-xxxM, (xxx=525-550 in step of 5)  
 LR5-66HIH-xxxM, (xxx=480-505 in step of 5)  
 LR5-78HPH-xxxM, (xxx=575-595 in step of 5)  
 LR5-78ZPH-xxxM, (xxx=565-585, in step of 5)  
 LR4-50HPH-xxxM, (xxx=305-320, in step of 5)  
 LR4-66HTB-xxxM, (xxx=410-430 in step of 5)  
 LR4-60HTB-xxxM, (xxx=370-390 in step of 5)  
 LR5-54HPH-xxxM, (xxx=395-415 in step of 5)  
 LR4-66HTH-xxxM, (xxx=420-440 in step of 5)  
 LR4-60HTH-xxxM, (xxx=380-400 in step of 5)  
 LR5-54HIH-xxxM, (xxx=395-415 in step of 5)  
 xxx stands for rated output power at STC

## Parameters:

Fire Safety Class:	Class C according to UL790.
Safety Class:	Class II
Max. System Voltage:	1500V DC
Test Laboratory:	Yangzhou Opto-Electrical Products Testing Institute. No.10 West Kaifa Road, Yangzhou 225009 Jiangsu, P.R. China.
Construction:	Framed, with Junction box, cable and

connector.

## Tested according to:

IEC 61215-1:2016  
 IEC 61215-1-1:2016  
 IEC 61215-2:2016  
 IEC 61730-1:2016  
 IEC 61730-2:2016  
 EN 61215-1:2016  
 EN 61215-1-1:2016  
 EN 61215-2:2017  
 EN IEC 61730-1:2018  
 EN IEC 61730-1:2018/AC:2018-06  
 EN IEC 61730-2:2018  
 EN IEC 61730-2:2018/AC:2018-06



**BUREAU  
VERITAS**

## ATTESTATION of conformity with European Directives

Attestation Number: **2188AB050059002**  
Product: **Solar Grid-tied Inverter**  
Brand Name:   
Model: **SOFAR 24KTLX-G3, SOFAR 15KTLX-G3**  
Additional Model: **SOFAR 17KTLX-G3, SOFAR 20KTLX-G3,  
SOFAR 22KTLX-G3, SOFAR 15KTLX-G3-A,  
SOFAR 20KTLX-G3-A, SOFAR 24KTLX-G3-A**  
Applicant: **Shenzhen SOFARSOLAR Co., Ltd.**  
Address: **401, Building 4, AnTongDa Industrial Park, District 68, XingDong  
Community, XinAn Street, BaoAn District, Shenzhen, China.**  
Technical Characteristics: **Max. DC Input Voltage: DC 1100V  
Operating MPPT Voltage Range: DC 140~1000V  
Max. Input Current: 26A/26A  
Nominal Grid Voltage: AC 380/400V  
Nominal Grid Frequency: 50/60Hz**

The submitted sample of the above equipment has been tested according to following standards:

Standards	Report Number	Report date
IEC 61000-6-3:2006 + A1:2010 IEC 61000-3-11:2017 IEC 61000-3-12:2011 IEC 61000-6-1:2016	C2105WDG0059	May 24, 2021

**Assistant Manager  
EMC Department**




**Name: Glyn He  
Date: May 24, 2021**


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Bureau Veritas Shenzhen Co., Ltd.  
Information given in this document is related to the tested specimen of the described electrical sample.

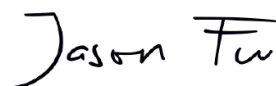
# Test Verification of Conformity

Verification Number: 220531141GZU-VOC001

On the basis of the referenced test report(s), sample(s) tested of the below product have been found to comply with the standards harmonized with the directives listed on this verification at the time the tests were carried out. Other standards and Directives may be relevant to the product. This verification is part of the full test report(s) and should be read in conjunction with it <them>.

Once compliance with all product relevant  mark directives are verified, including any relevant e.g. risk assessment and production control, the manufacturer may indicate compliance by signing a Declaration of Conformity themselves and applying the mark to products identical to the tested sample(s).

Applicant Name & Address:	Shenzhen SOFARSOLAR Co., Ltd. 11/F., Gaoxingqi Technology Building, No.67 Area, Xingdong Community, Xin'an Sub-district, Bao'an District, Shenzhen City, China.
Product Description:	Solar Grid-tied Inverter
Ratings & Principle Characteristics:	See Appendix: Test Verification of Conformity
Models/Type References:	SOFAR 15KTLX-G3, SOFAR 17KTLX-G3, SOFAR 20KTLX-G3 SOFAR 22KTLX-G3, SOFAR 24KTLX-G3, SOFAR 15KTLX-G3-A SOFAR 20KTLX-G3-A, SOFAR 24KTLX-G3-A
Brand Name:	
Relevant Standards/Directives:	IEC/EN 62109-1: 2010 Safety of power converters for use in photovoltaic power systems – Part 1: General requirements IEC/EN 62109-2: 2011 Safety of power converters for use in photovoltaic power systems – Part 2: Particular requirements for inverters Low Voltage Directive 2014/35/EU
Verification Issuing Office Name & Address:	Intertek Testing Services Shenzhen Ltd. Guangzhou Branch. Room 02, & 101/E201/E301/E401/E501/E601/E701/E801 of Room 01 1-8/F., No. 7-2. Caipin Road, Science City, GETDD, Guangzhou, Guangdong, China
Date of Tests:	15 Aug 2022 to 07 Sep 2022
Test Report Number(s):	220531141GZU-001, 220531141GZU-002
Additional information in Appendix.	



## Signature

**Name:** Jason Fu

**Position:** Supervisor

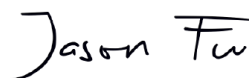
**Date:** 13 Sep 2022

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## APPENDIX: Test Verification of Conformity

This is an Appendix to Test Verification of Conformity Number: 220531141GZU-VOC001.

Model	SOFAR 15KTLX-G3	SOFAR 15KTLX-G3-A	SOFAR 17KTLX-G3	SOFAR 22KTLX-G3
Max. DC input voltage	1100V			
Max. Input current	26A/26A			
Max. PV Isc	36A/36A			
Nominal Grid voltage	3/N/PE, 230V/400V			
Rated Output Current	3*21.7A	3*21.7A	3*24.6A	3*31.9A
Nominal Grid frequency	50/60Hz			
Rated output Power	15000W	15000W	17000W	22000W
Rated Apparent Power	15000VA	15000VA	17000VA	22000VA
Max. Output power	16500VA	15000VA	18700VA	24200VA
Power Factor	1(adjustable +/-0.8)			
Ingress Protection	IP65			
Operating Temperature Range	-30°C ~ +60°C			
Protective Class	Class I			
Software version	V010000			



### Signature

**Name: Jason Fu**

**Position: Supervisor**

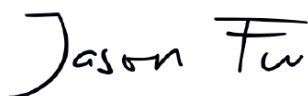
**Date: 13 Sep 2022**

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## APPENDIX: Test Verification of Conformity

This is an Appendix to Test Verification of Conformity Number: 220531141GZU-VOC001.

Model	SOFAR 20KTLX-G3	SOFAR 20KTLX-G3-A	SOFAR 24KTLX-G3	SOFAR 24KTLX-G3-A
Max. DC input voltage	1100V			
Max. Input current	26A/26A			
Max. PV Isc	36A/36A			
Nominal Grid voltage	3/N/PE, 230V/400V			
Rated. Output Current	3*29.0A	3*29.0A	3*34.8A	3*34.8A
Nominal Grid frequency	50/60Hz			
Rated output Power	20000W	20000W	24000W	24000W
Rated Apparent Power	20000VA	20000VA	24000VA	24000VA
Max. Output power	22000VA	20000VA	26400VA	24000VA
Power Factor	1(adjustable +/-0.8)			
Ingress Protection	IP65			
Operating Temperature Range	-30°C ~ +60°C			
Protective Class	Class I			
Software version	V010000			



### Signature

**Name: Jason Fu**

**Position: Supervisor**

**Date: 13 Sep 2022**

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