ZERTIFIKAT ◆ CERTIFICATE ◆ 認證證書 ◆ СЕРТИФИКАТ ◆ CERTIFICADO ◆ CERTIFICAT

Product Service

C E R T I F I C A T E

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

Test report no.: 704061700516-19

Valid until: 2027-03-17

Date, 2022-03-18

(Zhulin Zhang)

Digitally signed by Mereacre Andrei
Date: 2023.09.18 16:49:54 EEST
Reason: MoldSign Signature
Location: Moldova

TÜV SÜD Product Service GmbH • Certification Body • Ridlerstraße 65 • 80339 Munich • Germany

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Product Service

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No. Z2 099333 0045 Rev. 19

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

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ATTESTATION
of conformity with European Directives

Attestation Number:	**2188AB050059002**
Product:	**Solar Grid-tied Inverter**
Brand Name:	**SOFAR SOLAR**
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

Bureau Veritas Shenzhen Co., Ltd. Dongguan Branch

No. 96, Guantai Road (Houjie Section), Houjie Town, Dongguan City, Guangdong Province. 523942. People's Republic of China.

Tel.: +86 769 8998 2098
Fax: +86 769 8593 1080
Email:customerservice.dg@cn.bureauveritas.com

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 CE 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., Gaoxinqi 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:	SOFAR SOLAR
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.

Jason Fu

Signature

Name: Jason Fu
Position: Supervisor
Date: 13 Sep 2022

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℃ ~ +60℃			
Protective Class	Class I			
Software version	V010000			

Jason Fu

Signature

Name: Jason Fu
Position: Supervisor
Date: 13 Sep 2022

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℃ ~ +60℃			
Protective Class	Class I			
Software version	V010000			

Jason Fu

Signature

Name: Jason Fu
Position: Supervisor
Date: 13 Sep 2022