Test Verification of Conformity

Verification Number: 250401293GZU-VOC001

On the basis of the tests undertaken, the sample<s> of the below product has been tested by an accredited 3rd party laboratory in accordance to the referenced specification<s>/standard<s> at the time the tests were carried out. This verification is part of the full test report<s> and should be read in conjunction with it <them>.

This document can be used in support of a claim in meeting relevant 2014/53/EU legislation and mandatory Conformity Marking. And in accordance with EU law, the claim is the sole obligation of the Manufacturer/ Importer.

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, Guangdong, P.R. China
Product Description:	Hybrid Inverter
Models/Type References:	SOFAR 80KTLX-G4-ESS, SOFAR 99KTLX-G4-ESS, SOFAR 100KTLX-G4-ESS, SOFAR 110KTLX-G4-ESS, SOFAR 125KTLX-G4-ESS
Ratings & Principle Characteristics:	See Appendix
Brand Names:	SOFAR
Specification<s>/Standards:	ETSI EN 300 328 V2.2.2 (2019-07) EN IEC 62311:2020 ETSI EN 301 489-1 V2.2.3 (2019-11) ETSI EN 301 489-17 V3.3.1 (2024-09) EN IEC 61000-3-2:2019+A1:2021+A2:2024 EN 61000-3-3:2013+A1:2019+A2:2021 EN IEC 61000-6-4:2019 EN IEC 61000-6-2:2019 EN 62920:2017+A1:2021
Verification Issuing Office Name & Address:	Intertek Testing Services Shenzhen Ltd. Guangzhou Branch Room101/301/401/102/202/302/402/502/602/702/802, No. 7-2, Caipin Road, Huangpu District, Guangzhou, Guangdong, China
Date of Tests:	03 August 2025 to 31 October 2025
Test Report Number(s):	250401293GZU-001,002,003,004

Additional information in Appendix.

Sky Zhu

Signature

Name: Sky Zhu
Position: Supervisor
Date: 15 December 2025

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APPENDIX: Test Verification of Conformity

This is an Appendix to Test Verification of Conformity Number: 250401293GZU-VOC001.

Model	SOFAR	SOFAR	SOFAR	SOFAR	SOFAR
	80KTLX-G4-ESS	99KTLX-G4-ESS	100KTLX-G4-ESS	110KTLX-G4-ESS	125KTLX-G4-ESS
Input (PV)					
Max. input voltage	1100V				
Rated input voltage	625V				
Start-up voltage	200V				
MPPT operating voltage range	160V~1000V				
Number of MPP trackers	9				
Number for DC inputs	18				
Max. current per Input / per MPPT	40A				
Max. input short circuit current	9*50A				
Output(AC)					
Rated output power	80kW	99.99kW	100kW	110kW	125kW
Max. output active power(cos θ = 1)	88kW	99.99kW	110kW	121kW	125kW
Max. output apparent power	88kVA	99.99kVA	110kVA	121kVA	125kVA
Max. output current	133.7A@380V / 127.0A@400V / 122.4A@415V	151.9A@380V / 144.3A@400V / 139.1A@415V	167.1A@380V / 158.7A@400V / 153.0A@415V	183.8A@380V / 174.6A@400V / 168.3A@415V	189.9A@380V / 180.4A@400V / 173.9A@415V
Rated grid voltage	3/N/PE, 380V / 400V / 415V				
Grid voltage range	310~480V				
Rated frequency	50/60Hz				
Output(off-grid)					
Rated Output Voltage	3N~+PE,380/400/415 Va.c.				

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Rated Output Frequency	50/60Hz				
Rated Output Power	62.5kW				
Rated Output Current	94.9A				
Input (BAT)					
Battery type	Lithium-ion				
Numbers of battery	1 ~ 4				
Numers of packs per batttery	4~ 15				
DC voltage range	600~1000V				
Max. Charge	125kW				
Max. Discharge Power	88kW	99.99kW	110kW	121kW	125kW
Max. Charge Current	200A				
Max. Discharge Current	140.8A	160A	176A	193.6A	200A
General Data					
Ambient temperature range	-30℃~+60℃				
Degree of protection	IP66				
Max. operating altitude	4000m (>3000m derating)				



Signature

Name: Sky Zhu
Position: Supervisor
Date: 15 December 2025

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