Test Verification of Conformity

Verification Number: 240307089GZU-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:	REFU Elektronik GmbH Marktstrasse 185, 72793 Pfullingen, Germany
Product Description:	Solar Grid-tied Inverter
Ratings & Principle Characteristics:	See appendix of Verification of Conformity
Models/Type References:	REFUsol 110K-10T , REFUsol 125K-10T, REFUsol 125K-10T-A
Brand Name:	REFUsol
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. Room101/301/401/102/202/302/402/502/602/702/802, No. 7-2, Caipin Road, Huangpu District, Guangzhou, Guangdong, China
Date of Tests:	07 Mar 2024 – 20 Mar 2024
Test Report Number(s):	240307089GZU-001, 09 Apr. 2024 240307089GZU-002, 09 Apr. 2024

Additional information in Appendix.

Jason Fu

Signature

Name: Jason Fu
Position: Supervisor
Date: 09 April 2024

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APPENDIX: Test Verification of Conformity

This is an Appendix to Test Verification of Conformity Number: 240307089GZU-VOC001.

Model	REFUsol 110K-10T	REFUsol 125K-10T	REFUsol 125K-10T-A
Max. DC input Voltage	1100Vdc		
Operating MPPT voltage range	180Vdc – 1000Vdc		
Max. Input current	40A*10		
PV Isc	50A*10		
Nominal AC output voltage	3/N/PE 230Vac/400Vac		
Nominal AC output Frequency	50/60Hz		
Max. AC output current	159.5A	181.2A	181.2A
Rated Output power	100.0KW	110.0KW	125.0KW
Max.Output Power	110.0KVA	125.0KVA	125.0KVA
Power factor	1(adjustable +/-0.8)		
Safety level	Class I		
Ingress Protection	IP 66		
Operation Ambient Temperature	-30℃ - 60℃		
Software version	V000001		

Jason Fu

Signature

Name: Jason Fu
Position: Supervisor
Date: 09 April 2024

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