

Certificate of Conformity

Certificate Number: CN-PVES-240317

On the basis of the tests undertaken, the sample<s> of the below product have been found to comply with the requirements of the referenced specification<s>/standard<s> at the time the tests were carried out. It does not imply that Intertek has performed any surveillance or control of the manufacture(s). The manufacturer(s) shall ensure that the manufacturing process assures compliance of the production units with the examined products mentioned in this certificate.

Applicant:	REFU Elektronik GmbH Marktstrasse 185, 72793 Pfullingen, Germany
Product:	Solar Grid-tied Inverter
Ratings & Principle Characteristics:	See appendix of Certificate of Conformity
Model:	REFUso1 100K-10T, REFUso1 110K-10T, REFUso1 125K-10T REFUso1 125K-10T-A
Brand Name<s>:	REFUso1
Product Complies with:	EN 50549-2: February 2019 Requirements for generating plants to be connected in parallel with distribution networks Part 2: Connection to a MV distribution network - Generating plants up to and including Type B
Certificate Issuing Office Name & Address:	Intertek Testing Services Ltd. Shanghai West Area, 2 nd Floor, No. 707, Zhangyang Road China (Shanghai) Pilot Free Trade Zone, Shanghai, P. R. China Accredited by ACCREDIA in accordance with ISO/IEC 17065:2012
Test Report No.<s>:	240618142GZU-001, 27 June 2024

According to Annex H of the standard EN 50549-2:2019, generating plants compliant with the clauses of this European Standard are considered to be compliant with the relevant Article of COMMISSION REGULATION (EU) 2016/631, provided, that all settings as provided by the DSO and the responsible party are complied with. Additional information in Appendix.



Signature

Certification Manager: Grady Ye

Date: 08 July 2024



PRD N° 306B

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APPENDIX: Certificate of Conformity

This is an Appendix to Certificate of Conformity Number: CN-PVES-240317.

Model	REFUso1 100K-10T	REFUso1 110K-10T	REFUso1 125K-10T	REFUso1 125K-10T-A
DC Input				
Max. input voltage	1100 V			
MPPT operating voltage range	180 V~1000 V			
Max. input current	10*40A			
Max. PV Isc	10*50A			
AC Output				
Nominal grid voltage	3/N/PE,230/400 Vac			
Nominal grid frequency	50Hz/60Hz			
Nominal Output Power	100 kW	100 kW	110 kW	125 kW
Max. Output Power	100 kVA	110 kVA	125 kVA	125 kVA
Rated AC current	145.0 A	145.0 A	159.5 A	181.2 A
Max. AC Current	145.0 A	159.5 A	181.2 A	181.2 A
Power factor	1(adjustable +/-0.8)			
General Data				
Safety level	Class I			
Ingress Protection	IP 66			
Operation Ambient Temperature	-30°C - 60°C			
Topology	Transformerless			

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