

# CERTIFICATE

of conformity with the following European Directives

**Low Voltage Directive 2014/35/EU**

This certifies that below described products of the applicant:

**FOXESS CO., LTD.**

No.939, Jinhai Third Road, New Airport Industry Area, Longwan District, Wenzhou, Zhejiang, China

comply to the essential requirements of the above mentioned European Directive and the following standards, taking into account the German national deviations:

**Product(s):** PV Grid-tied Inverter

**Model type(s):** R75-G2, R80-G2, R100-G2, R110-G2, R125-G2, R136-G2

This certificate of conformity is based on the evaluation of samples of the product. It does not imply an assessment of the production and it does not permit the use of a mark of conformity or of a safety mark of the TÜV NORD CERT GmbH. The holder of this certificate may use this Certificate together with his EC-Declaration of Conformity.

Certification program: P33-VA-01 Rev. 02 / 04.20

Certification fundamental(s): EN 62109-1:2010; EN 62109-2:2011

Registered no.: 44 799 24 406749 - 120

Report no.: 492013083.001

File no.: PVP01072/24B-01



TÜV NORD CERT GmbH  
Certification Body  
Balance of System (BOS) for Photovoltaics

Essen, 2024-04-10

TÜV NORD CERT GmbH

Am TÜV 1, D-45307 Essen

[www.tuev-nord-cert.de](http://www.tuev-nord-cert.de)

[prodcert@tuev-nord.de](mailto:prodcert@tuev-nord.de)

Please also pay attention to the information stated overleaf.



The CE marking may be affixed on the product if all relevant and effective Directives are complied with.



# ANNEX

Annex 1, Page 1 of 2

to Certificate registration no. 44 799 24 406749 - 120

**Description of product(s):**

PV Grid-tied Inverter						
Model or Type designation	R75-G2	R80-G2	R100-G2	R110-G2	R125-G2	R136-G2
<b>PV input parameters:</b>						
V <sub>MAX</sub> PV [Vd.c.]			1100			
MPP Voltage Range [Vd.c.]			200-1000			
Max. PV Input Current [Ad.c.]	9*40	9*40	9*40	10*40	10*40	10*40
DC Short-circuit current [Ad.c.]	9*50	9*50	9*50	10*50	10*50	10*50
<b>AC output (Grid Side) parameters:</b>						
Rated Output Voltage [V <sub>a</sub> c.]			380/400, 3/N/PE			
Rated Output Frequency [Hz]			50/ 60			
Rated Output Power [kW]	75.0	80.0	100.0	110.0	125.0	136.0
Max. Apparent Power [kVA]	82.5	88.0	110.0	121.0	137.5	138.0
Max. Output Current [A <sub>a</sub> c.]	125.0	133.3	166.7	183.3	199.3	200.0



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Power Factor $\cos\phi$ [ $\lambda$ ]	0.8 leading – 0.8 lagging
<b>Others:</b>	
Protective Class	Class I
Inverter Topology	Non-isolated
Operation Temperature Range	-30~60°C (>40°C derating)
Size [W*H*D mm]	975*630*360
Weight [kg]	90
Ingress Protection	IP66
Overvoltage-Category	III AC(Main), II DC(PV)
Firmware Version	DSP Master: V1.11; DSP Slave: V1.00; Manager: V1.13; AFCI: V1.03

Remark:

For detailed product information, please refer to CDF (Constructional Data Form) in Annex of test report.



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