

CERTIFICATE

of conformity with the following European Directives
Low Voltage Directive 2014/35/EU

This certifies that below described products of the applicant:

NINGBO AUSTA SOLAR TECH CO., LTD.

1-1, NO.136, Haichuan Road, Jiangbei District, Ningbo, Zhejiang,
P.R. 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): Hybrid Inverter
Model type(s): AU6KESL, AU7KESL, AU7.6KESL, AU8KESL

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: P31-VA-01 Rev. 02 / 04.20
Certification fundamental(s): EN 62109-1:2010; EN 62109-2:2011;
EN 62477-1:2012+A1:2017, EN 62477-1:2012+A12:2021
Registered no.: 44 799 24 406749 - 115
Report no.: 492013053.001
File no.: PVP12091/23E-03



TÜV NORD CERT GmbH
Certification Body
Energy Storage System

Essen, 2024-04-02

TÜV NORD CERT GmbH

Am TÜV 1, D-45307 Essen

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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 3

to Certificate registration no. 44 799 24 406749 - 115

Description of product(s):

Model or Type designation	AU6KESL	AU7KESL	AU7.6KESL	AU8KESL
PV input parameters:				
V _{MAX} PV [Vd.c.]	500			
MPP Voltage Range [Vd.c.]	150-450			
Max. PV Input Current [Ad.c.].....	18/18	30/18		
DC Short-circuit current [Ad.c.].....	22.5/22.5	37.5/22.5		
Battery parameters:				
Battery Type.....	Li-ion/Lead-acid			
Battery Normal Voltage [Vd.c.].....	48			
Max. Charge/Discharge Current [Ad.c.].....	135	175	190	190
AC output (Grid Side) parameters:				
Rated Output Voltage [Va.c.].....	220/230 L+N+PE			



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ANNEX

Annex 1, Page 2 of 3

to Certificate registration no. 44 799 24 406749 - 115

Rated Output Frequency [Hz].....:	50/60			
Max. Output Power [kW].....:	6.0	7.0	7.6	8.0
Max. Apparent Power [kVA].....:	6.6	7.7	8.36	8.8
Max. Output Current [Aa.c.].....:	30	35	38	40
Power Factor cosφ [λ].....:	0.8 leading – 0.8 lagging			
AC Load output (stand alone) parameters:				
Rated Output Voltage [Va.c.].....:	220/230 L+N+PE			
Rated Output Frequency [Hz].....:	50/60			
Max. Output Power [kW].....:	6.0	7.0	7.6	8.0
Max. Output Current [Aa.c.].....:	30	35	38	40
Others:				
Protective class.....:	Class I			



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 Energy Storage System

Essen, 2024-04-02

ANNEX

Annex 1, Page 3 of 3

to Certificate registration no. 44 799 24 406749 - 115

Inverter topology.....:	Non-isolated
Operation temperature range.....:	-40~60°C
Dimension [D*W*H mm]	198*427*554
Weight [kg]	21.5
Ingress protection.....:	IP66
Overvoltage-category.....:	OVC III (AC Main), OVC II (PV, BAT)
Software.....:	CPU1: V1.0 CPU2: V1.0

Remark:

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



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