

# 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):** Grid Tie Solar Inverter

**Model type(s):** AU70K3P, AU75K3P, AU80K3P,  
AU90K3P, AU100K3P, AU110K3P

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 - 204  
**Report no.:** 492013224.001  
**File no.:** PVP12091/23E-09



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

Essen, 2024-06-19

TÜV NORD CERT GmbH

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Please also pay attention to the information stated overleaf.

# ANNEX

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**to Certificate registration no. 44 799 24 406749 - 204**

**Description of product(s):**

Model or Type designation	AU70K3P	AU75K3P	AU80K3P	AU90K3P	AU100K3P	AU110K3P
<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.].....	40/40/20/40/40/20		40/40/20/20/40/40/20/20			
DC Short-circuit current [Ad.c.].....	50/50/25/50/50/25		50/50/25/25/50/50/25/25			
<b>AC output (Grid Side) parameters:</b>						
Rated Output Voltage [Va.c.].....	3L/N/PE, 230/400					
Rated Output Frequency [Hz].....	50/60					
Max. Output Current [Aa.c.] .....	113	123	134	148	168	184
Max. output Power [kW] .....	77	82.5	88	99	110	121



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Max. Apparent Power [kVA] .....	77	82.5	88	99	110	121
Power Factor $\cos\phi$ [ $\lambda$ ].....	0.8 leading to 0.8 lagging					
<b>Others:</b>						
Protective class.....	Class I					
Inverter topology.....	Non-isolated					
Operation temperature range.....	-25-60°C (Derating 45°C)					
Ingress protection.....	IP66					
Overvoltage-category.....	OVC II(PV), OVC III(AC)					
Dimensions, D*W*H (mm) .....	1160*611*286					
Weight (kg) .....	92					
Permissible Altitude (m) .....	2000					
Software.....	CPU1: V1.0, CPU2: V1.0					

Remark:

For detailed product information, please refer to CDF (Constructional Data Form) in Annex 3 of test report.



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