



Product Service

Attestation of Conformity

No. N8A 118324 0001 Rev. 00

Holder of Certificate: **Nansen Instrumentos de Precisão Ltda.**
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BRAZIL

Product: **Converter**
Grid-Connected PV Inverter

This Attestation of Conformity is issued on a voluntary basis according to the Low Voltage Directive 2014/35/EU relating to electrical equipment designed for use within certain voltage limits. It confirms that the listed equipment complies with the principal protection requirements of the directive and is based on the technical specifications applicable at the time of issuance. It refers only to the particular sample submitted for testing and certification. For details see: www.tuvsud.com/ps-cert

Test report no.: 704092244101-00

Date, 2022-10-20



(Zhengdong Ma)

Page 1 of 8

After preparation of the necessary technical documentation as well as the EU declaration of conformity the required CE marking can be affixed on the product. The declaration of conformity is issued under the sole responsibility of the manufacturer. Other relevant EU-directives have to be observed.



Product Service

Attestation of Conformity

No. N8A 118324 0001 Rev. 00

Model(s):

ASN-3TL-E0, ASN-3TL-E1, ASN-3.6TL-E0, ASN-3.6TL-E1,
ASN-4TL-E0, ASN-4TL-E1, ASN-5TL-E0, ASN-5TL-E1,
ASN-6TL-E0, ASN-6TL-E1, ASN-8TL-E0, ASN-8TL-E1,
ASN-10TL-E0, ASN-10TL-E1, ASN-12TL-E0, ASN-12TL-E1,
ASN-15TL-E0, ASN-15TL-E1, ASN-15TL-E2, ASN-15TL-E3,
ASN-17TL-E0, ASN-17TL-E1, ASN-20TL-E0, ASN-20TL-E1,
ASN-22TL-E0, ASN-22TL-E1, ASN-23TL-E0, ASN-23TL-E1,
ASN-25TL-E0, ASN-25TL-E1.

Parameters:

Please see pages 3 to 8.

**Tested
according to:**

EN 62109-1:2010
EN 62109-2:2011

Page 2 of 8

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Attestation of Conformity

No. N8A 118324 0001 Rev. 00

Model Name	ASN-3TL-E0	ASN-3TL-E1	ASN-3.6TL-E0	ASN-3.6TL-E1	ASN-4TL-E0
PV input parameter					
Max. input voltage	1100 Vd.c.				
MPPT voltage range	140-1000 Vd.c.				
Max. input current	13 x 2 Ad.c.	15 x 2 Ad.c.	13 x 2 Ad.c.	15 x 2 Ad.c.	13 x 2 Ad.c.
Isc PV	20 x 2 Ad.c.	20 x 2 Ad.c.	20 x 2 Ad.c.	20 x 2 Ad.c.	20 x 2 Ad.c.
AC output parameter					
Nominal output voltage	3/N/PE~ 220/380 V, 230/400 V				
Nominal output frequency	50/60 Hz				
Nominal output power	3 kW	3 kW	3.6 kW	3.6 kW	4 kW
Max. output apparent power	3.3 kVA	3.3 kVA	4 kVA	4 kVA	4.4 kVA
Nominal output current	4.4 Aa.c.	4.4 Aa.c.	5.2 Aa.c.	5.2 Aa.c.	5.8 Aa.c.
Max. output current	5.0 Aa.c.	5.0 Aa.c.	6.0 Aa.c.	6.0 Aa.c.	6.6 Aa.c.
Power factor	0.8 leading...0.8 lagging				
General information					
Protection class	I				
Ingress protection	IP66				
Overvoltage category	II(PV), III(MAINS)				
Operating temperature range	-25°C ... +60°C				
Inverter topology	Non-isolated				



Attestation of Conformity

No. N8A 118324 0001 Rev. 00

Model Name	ASN-4TL-E1	ASN-5TL-E0	ASN-5TL-E1	ASN-6TL-E0	ASN-6TL-E1
PV input parameter					
Max. input voltage	1100 Vd.c.				
MPPT voltage range	140-1000 Vd.c.				
Max. input current	15 x 2 Ad.c.	13 x 2 Ad.c.	15 x 2 Ad.c.	13 x 2 Ad.c.	15 x 2 Ad.c.
Isc PV	20 x 2 Ad.c.	20 x 2 Ad.c.	20 x 2 Ad.c.	20 x 2 Ad.c.	20 x 2 Ad.c.
AC output parameter					
Nominal output voltage	3/N/PE~ 220/380 V, 230/400 V				
Nominal output frequency	50/60 Hz				
Nominal output power	4 kW	5 kW	5 kW	6 kW	6 kW
Max. output apparent power	4.4 kVA	5.5 kVA	5.5 kVA	6.6 kVA	6.6 kVA
Nominal output current	5.8 Aa.c.	7.3 Aa.c.	7.3 Aa.c.	8.7 Aa.c.	8.7 Aa.c.
Max. output current	6.6 Aa.c.	8.3 Aa.c.	8.3 Aa.c.	10.0 Aa.c.	10.0 Aa.c.
Power factor	0.8 leading...0.8 lagging				
General information					
Protection class	I				
Ingress protection	IP66				
Overvoltage category	II(PV), III(MAINS)				
Operating temperature range	-25°C ... +60°C				
Inverter topology	Non-isolated				



Attestation of Conformity

No. N8A 118324 0001 Rev. 00

Model Name	ASN-8TL-E0	ASN-8TL-E1	ASN-10TL-E0	ASN-10TL-E1	ASN-12TL-E0
PV input parameter					
Max. input voltage	1100 Vd.c.				
MPPT voltage range	140-1000 Vd.c.				
Max. input current	13 x 2 Ad.c.	15 x 2 Ad.c.	13 x 2 Ad.c.	15 x 2 Ad.c.	13 x 2 Ad.c.
Isc PV	20 x 2 Ad.c.	20 x 2 Ad.c.	20 x 2 Ad.c.	20 x 2 Ad.c.	20 x 2 Ad.c.
AC output parameter					
Nominal output voltage	3/N/PE~ 220/380 V, 230/400 V				
Nominal output frequency	50/60 Hz				
Nominal output power	8 kW	8 kW	10 kW	10 kW	12 kW
Max. output apparent power	8.8 kVA	8.8 kVA	11.0 kVA	11.0 kVA	13.2 kVA
Nominal output current	11.6 Aa.c.	11.6 Aa.c.	14.5 Aa.c.	14.5 Aa.c.	17.4 Aa.c.
Max. output current	13.3 Aa.c.	13.3 Aa.c.	16.6 Aa.c.	16.6 Aa.c.	20.0 Aa.c.
Power factor	0.8 leading...0.8 lagging				
General information					
Protection class	I				
Ingress protection	IP66				
Overvoltage category	II(PV), III(MAINS)				
Operating temperature range	-25°C ... +60°C				
Inverter topology	Non-isolated				



Product Service

Attestation of Conformity

No. N8A 118324 0001 Rev. 00

Model Name	ASN-12TL-E1	ASN-15TL-E0	ASN-15TL-E1	ASN-15TL-E2	ASN-15TL-E3
PV input parameter					
Max. input voltage	1100 Vd.c.				
MPPT voltage range	140-1000 Vd.c.				
Max. input current	15 x 2 Ad.c.	26/13 Ad.c.	30/15 Ad.c.	13 x 2 Ad.c.	15 x 2 Ad.c.
Isc PV	20 x 2 Ad.c.	40/20 Ad.c.	40/20 Ad.c.	20 x 2 Ad.c.	20 x 2 Ad.c.
AC output parameter					
Nominal output voltage	3/N/PE~ 220/380 V, 230/400 V				
Nominal output frequency	50/60 Hz				
Nominal output power	12 kW	15 kW	15 kW	15 kW	15 kW
Max. output apparent power	13.2 kVA	16.5 kVA	16.5 kVA	16.5 kVA	16.5 kVA
Nominal output current	17.4 Aa.c.	21.7 Aa.c.	21.7 Aa.c.	21.7 Aa.c.	21.7 Aa.c.
Max. output current	20.0 Aa.c.	25.0 Aa.c.	25.0 Aa.c.	25.0 Aa.c.	25.0 Aa.c.
Power factor	0.8 leading...0.8 lagging				
General information					
Protection class	I				
Ingress protection	IP66				
Overvoltage category	II(PV), III(MAINS)				
Operating temperature range	-25°C ... +60°C				
Inverter topology	Non-isolated				



Attestation of Conformity

No. N8A 118324 0001 Rev. 00

Model Name	ASN-17TL-E0	ASN-17TL-E1	ASN-20TL-E0	ASN-20TL-E1	ASN-22TL-E0
PV input parameter					
Max. input voltage	1100 Vd.c.				
MPPT voltage range	140-1000 Vd.c.				
Max. input current	26 x 2 Ad.c.	30 x 2 Ad.c.	26 x 2 Ad.c.	30 x 2 Ad.c.	26 x 2 Ad.c.
Isc PV	40 x 2 Ad.c.	40 x 2 Ad.c.	40 x 2 Ad.c.	40 x 2 Ad.c.	40 x 2 Ad.c.
AC output parameter					
Nominal output voltage	3/N/PE~ 220/380 V, 230/400 V				
Nominal output frequency	50/60 Hz				
Nominal output power	17 kW	17 kW	20 kW	20 kW	22 kW
Max. output apparent power	18.7 kVA	18.7 kVA	22.0 kVA	22.0 kVA	24.2 kVA
Nominal output current	24.6 Aa.c.	24.6 Aa.c.	29.0 Aa.c.	29.0 Aa.c.	31.9 Aa.c.
Max. output current	28.3 Aa.c.	28.3 Aa.c.	33.3 Aa.c.	33.3 Aa.c.	36.8 Aa.c.
Power factor	0.8 leading...0.8 lagging				
General information					
Protection class	I				
Ingress protection	IP66				
Overvoltage category	II(PV), III(MAINS)				
Operating temperature range	-25°C ... +60°C				
Inverter topology	Non-isolated				



Product Service

Attestation of Conformity

No. N8A 118324 0001 Rev. 00

Model Name	ASN-22TL-E1	ASN-23TL-E0	ASN-23TL-E1	ASN-25TL-E0	ASN-25TL-E1
PV input parameter					
Max. input voltage	1100 Vd.c.				
MPPT voltage range	140-1000 Vd.c.				
Max. input current	30 x 2 Ad.c.	26 x 2 Ad.c.	30 x 2 Ad.c.	26 x 2 Ad.c.	30 x 2 Ad.c.
Isc PV	40 x 2 Ad.c.	40 x 2 Ad.c.	40 x 2 Ad.c.	40 x 2 Ad.c.	40 x 2 Ad.c.
AC output parameter					
Nominal output voltage	3/N/PE~ 220/380 V, 230/400 V				
Nominal output frequency	50/60 Hz				
Nominal output power	22 kW	23 kW	23 kW	25 kW	25 kW
Max. output apparent power	24.2 kVA	25.3 kVA	25.3 kVA	27.5 kVA	27.5 kVA
Nominal output current	31.9 Aa.c.	33.3 Aa.c.	33.3 Aa.c.	36.2 Aa.c.	36.2 Aa.c.
Max. output current	36.8 Aa.c.	38.3 Aa.c.	38.3 Aa.c.	41.6 Aa.c.	41.6 Aa.c.
Power factor	0.8 leading...0.8 lagging				
General information					
Protection class	I				
Ingress protection	IP66				
Overvoltage category	II(PV), III(MAINS)				
Operating temperature range	-25°C ... +60°C				
Inverter topology	Non-isolated				