

CERTIFICATE OF CONFORMITY

CERTIFICATO DI CONFORMITÀ

Issued to: Ningbo AUX Solar Technology Co., Ltd.
No. 17 Fenglin Road, Cicheng Town, Jiangbei District, Ningbo City, Zhejiang Province,
China

For the product: Hybrid solar inverter

Trade name:

AUXSOL

Type/Model: ASG-5TL-ZH, ASG-6TL-ZH, ASG-8TL-ZH, ASG-10TL-ZH,
ASG-12TL-ZH, ASG-15TL-ZH, ASG-20TL-ZH

Ratings: See Annex

Manufactured by: Ningbo AUX Solar Technology Co., Ltd.
No. 17 Fenglin Road, Cicheng Town, Jiangbei District, Ningbo City, Zhejiang Province,
China

Requirements: TOR Erzeuger Type A Version 1.3:2024-07-01
OVE-Richtlinie R 25:2020-03-01

This Test Certificate is granted on account of an examination by DEKRA, the results of which are laid down in a confidential file no. 6213140.50

The examination has been carried out on one single specimen of the product. The certificate does not include an assessment of the minilecture's production. Conformity of his production with the specimen tested by DEKRA is not the responsibility of DEKRA.

This Test Certificate expires at the latest on 2030-03-06 or expires upon withdrawal of one of the above mentioned standards.

Arnhem, 6 March 2025

Number: 6213140.01COC

DEKRA Testing and Certification (Shanghai) Ltd.


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Certification Manager

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ESA-CER-F021 v4.1



Document no. : 6213140.01COC

Test basics:

TOR Erzeuger Type A Version 1.3:2024-07-01

Connection and parallel operation of Type A power generation systems and small-scale generation systems

OVE-Richtlinie R 25: 2020-03-01

Test requirements for generator units to be connected to and operated in parallel with low-voltage distribution networks

- 5.1 Testing the network perturbations
- 5.2 Testing the symmetry behavior of three-phase inverters
- 5.3 Testing the behavior of the generating unit on the network
- 5.4 Testing the automatic activation point
- 5.5 Testing the connection conditions and synchronization
- 5.6 Proof of robustness and dynamic network support

Ratings of product:

Model	ASG-5TL-ZH	ASG-6TL-ZH	ASG-8TL-ZH	ASG-10TL-ZH	ASG-12TL-ZH	ASG-15TL-ZH	ASG-20TL-ZH
	PV Input						
Max. input voltage (V)	1000						
MPPT voltage range (V)	170-900						
Max. input current (A)	16 / 16		26 / 26			36 / 36	
Max. short circuit current (V)	20 / 20		32 / 32			45 / 45	
	Input Battery						
Battery type	Li-ion						
Battery voltage range (V)	180-800						
Max.charge/discharge current (A)	30 / 30					2×30 / 2×30	
	Output AC (Grid side)						
Rated output power (kW)	5	6	8	10	12	15	20
Max. apparent output power (kVA)	5	6	8	10	12	15	20
Rated grid voltage	3 / N / PE, 380 V / 400 V						
Rated grid frequency (Hz)	50 / 60						
Max. output current (A)	11.4	13.6	18.2	22.7	27.3	34.1	45.5
Power factor	>0.99 default (0.8 leading...0.8 lagging)						
	Input AC (Grid side)						
Rated input power (kW)	5	6	8	10	12	15	20
Max. input power (kW)	10	12	16	20	24	30	30
Max. input current (A)	15.2	18.2	24.2	30.3	36.4	45.5	45.5
Rated input voltage	3 / N / PE, 380 V / 400 V						
Rated input frequency (Hz)	50 / 60						
	Output AC (Back-up)						
Rated output power (kW)	5	6	8	10	12	15	20
Max. output current (A)	7.6	9.1	12.1	15.2	18.2	22.7	30.3
Rated output voltage	3 / N / PE, 380 V / 400 V						
Rated frequency (Hz)	50 / 60						
Ambient temperature range	-30...+60℃						
Degree of protection	IP66						
Software Version	DSP: V01; ARM: V01						

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