

# ATTESTATION OF CONFORMITY

Issued to: AKKU SYS Akkumulatort- und Batterietechnik Nord GmbH  
Verbindungsweg 23, 25469, Halstenbek, Germany

For the product: Hybrid Inverter

Trade name:  a-tronix

Type/Model: Hybridpower 4kW 3ph, Hybridpower 5kW 3ph,  
Hybridpower 6kW 3ph, Hybridpower 8kW 3ph,  
Hybridpower 10kW 3PH, Hybridpower 12kW 3ph

Ratings: See Annex

Manufactured by: AKKU SYS Akkumulatort- und Batterietechnik Nord GmbH  
Verbindungsweg 23, 25469, Halstenbek, Germany

Requirements: TOR Erzeuger Type A Version 1.2:2022-04-11  
OVE-Richtlinie R 25:2020

This Attestation is granted on account of an examination by DEKRA, the results of which are laid down in a confidential file no. 6134610.50

The examination has been carried out on one single specimen or several specimens of the product, submitted by the manufacturer. The Attestation does not include an assessment of the manufacturer's production. Conformity of his production with the specimen tested by DEKRA is not the responsibility of DEKRA.

Arnhem, 30 December 2022

Number: 6134610.01AOC

DEKRA Testing and Certification (Shanghai) Ltd.

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Certification Manager

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## Test basics:

TOR Erzeuger Type A Version 1.2:2022-04-11

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:

Operating temperature range: - 30°C to + 60°C

Protective class: I

Ingress protection rating: IP65

Power factor range (adjustable): 0.8 leading...0.8 lagging

Overvoltage category: III(Mains), II(DC)

Operating altitude: 3000m

Inverter topology: Non-isolated

Hybridpower 4kW 3ph:

PV input: Max 1000 Vdc, MPPT voltage range: 150-850 Vdc, Max 13A/13 A, Isc PV: 18 A/18 A

Battery: Voltage Rang 140-750 Vdc, Max charge and discharge current: 25 A, Battery type: Li-Ion

AC output: 3/N/PE 230/400 Vac , 50 Hz, Rated Active Power 4000 W, Max. Apparent Power 4400 VA, Max 6.7 A

Hybridpower 5kW 3ph:

PV input: Max 1000 Vdc, MPPT voltage range: 150-850 Vdc, Max 13A/13 A, Isc PV: 18 A/18 A

Battery: Voltage Rang 140-750 Vdc, Max charge and discharge current: 25 A, Battery type: Li-Ion

AC output: 3/N/PE 230/400 Vac , 50 Hz, Rated Active Power 5000 W, Max. Apparent Power 5500 VA, Max 8.3 A

Hybridpower 6kW 3ph:

PV input: Max 1000 Vdc, MPPT voltage range: 200-850 Vdc, Max 13A/13 A, Isc PV: 18 A/18 A

Battery: Voltage Rang 140-750 Vdc, Max charge and discharge current: 25 A, Battery type: Li-Ion

AC output: 3/N/PE 230/400 Vac , 50 Hz, Rated Active Power 6000 W, Max. Apparent Power 6600 VA, Max 10.0 A

Hybridpower 8kW 3ph:

PV input: Max 1000 Vdc, MPPT voltage range: 200-850 Vdc, Max 13A/13 A, Isc PV: 18 A/18 A

Battery: Voltage Rang 140-750 Vdc, Max charge and discharge current: 25 A, Battery type: Li-Ion

AC output: 3/N/PE 230/400 Vac , 50 Hz, Rated Active Power 8000 W, Max. Apparent Power 8800 VA, Max 13.3 A

Hybridpower 10kW 3ph:

PV input: Max 1000 Vdc, MPPT voltage range: 200-850 Vdc, Max 13A/13 A, Isc PV: 18 A/18 A

Battery: Voltage Rang 140-750 Vdc, Max charge and discharge current: 25 A, Battery type: Li-Ion

AC output: 3/N/PE 230/400 Vac , 50 Hz, Rated Active Power 10000 W, Max. Apparent Power 11000 VA, Max 16.5 A

Hybridpower 12kW 3ph:

PV input: Max 1000 Vdc, MPPT voltage range: 200-850 Vdc, Max 13A/13 A, Isc PV: 18 A/18 A

Battery: Voltage Rang 140-750 Vdc, Max charge and discharge current: 25 A, Battery type: Li-Ion

AC output: 3/N/PE 230/400 Vac , 50 Hz, Rated Active Power 12000 W, Max. Apparent Power 13200 VA, Max 20.0 A