

CERTIFICATE OF CONFORMITY

Issued to: NingBo Deye Inverter Technology Co., Ltd.
No.26 South YongJiang Road, Daqi, Beilun, NingBo, P.R. China.

For the product: Hybrid Inverter

Trade name: **Deye**

Type/Model: SUN-60K-SG02HP3-EU-EM6, SUN-70K-SG02HP3-EU-EM6,
SUN-75K-SG02HP3-EU-EM6, SUN-80K-SG02HP3-EU-EM6

Ratings: See Annex

Manufactured by: NingBo Deye Inverter Technology Co., Ltd.
No.26 South YongJiang Road, Daqi, Beilun, NingBo, P.R. 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. 6241604.50

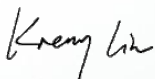
The examination has been carried out on one single specimen of the product. The Attestation does not include an assessment of the manufacturer's production. Conformity of this production with the specimen tested by DEKRA is not the responsibility of DEKRA.

This Test Certificate expires at the latest on 30 April 2031 or expires upon withdrawal of one of the above mentioned standards.

Shanghai, 30 April 2026

Certificate Number: 6241604.01COC

DEKRA Testing and Certification (Shanghai) Ltd.



Kreny Lin
Certification Manager

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PCA-141

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ESA-CER-F021 v4.1



Document no. : 6241604.01COC

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:

Operating temperature range: - 40 °C to + 60 °C

Protective class: I

Ingress protection rating: IP65

OVC: DC II / AC III

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

SUN-60K-SG02HP3-EU-EM6

PV Input: Max 1000 Vdc, MPPT voltage range: 150 Vdc - 850 Vdc, Max 6*36 A, Isc PV:6*54 A

Battery: Lithium-ion, Voltage 160 Vdc - 1000 Vdc

Max. Charging / Discharging Current: 80 Adc+80 Adc / 80 Adc+80 Adc

AC Input / Output Voltage: 230 Vac / 400 Vac, 3L / N / PE

AC Input / Output Frequency: 50/60 Hz

AC Input / Output Rated Current: 87 Aac

Max. AC Input / Output Current: 95.7 Aac

AC Input / Output Rated Power: 60000 W

Max. Apparent Input / Output Power: 66000 VA

SUN-70K-SG02HP3-EU-EM6

PV Input: Max 1000 Vdc, MPPT voltage range: 150 Vdc - 850 Vdc, Max 6*36 A, Isc PV:6*54 A

Battery: Lithium-ion, Voltage 160 Vdc -1000 Vdc

Max. Charging / Discharging Current:80 Adc+80 Adc / 80 Adc+80 Adc

AC Input / Output Voltage: 230 Vac / 400 Vac, 3L / N / PE

AC Input / Output Frequency: 50 Hz / 60 Hz

AC Input / Output Rated Current: 101.5 Aac

Max. AC Input / Output Current: 111.6 Aac

AC Input / Output Rated Power: 70000 W

Max. Apparent Input / Output Power: 77000 VA

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SUN-75K-SG02HP3-EU-EM6

PV Input: Max 1000 Vdc, MPPT voltage range: 150 Vdc - 850 Vdc, Max 6*36 A, Isc PV:6*54 A

Battery: Lithium-ion, Voltage 160 Vdc - 1000 Vdc

Max. Charging / Discharging Current:80 Adc+80 Adc / 80 Adc+80 Adc

AC Input / Output Voltage: 230 Vac / 400 Vac, 3L / N / PE

AC Input / Output Frequency: 50 Hz / 60 Hz

AC Input / Output Rated Current: 108.7 Aac

Max. AC Input / Output Current:119.6 Aac

AC Input / Output Rated Power: 75000 W

Max. Apparent Input / Output Power: 82500 VA

SUN-80K-SG02HP3-EU-EM6

PV Input: Max 1000 Vdc, MPPT voltage range: 150 Vdc - 850 Vdc, Max 6*36 A, Isc PV:6*54 A

Battery: Lithium-ion, Voltage 160 Vdc -1000 Vdc

Max. Charging / Discharging Current:80 Adc+80 Adc / 80 Adc+80 Adc

AC Input / Output Voltage: 230 Vac / 400 Vac, 3L / N / PE

AC Input / Output Frequency: 50 Hz / 60 Hz

AC Input / Output Rated Current: 116.0 Aac

Max. AC Input / Output Current:127.6 Aac

AC Input / Output Rated Power: 80000 W

Max. Apparent Input / Output Power:88000 VA

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