

Zertifikat *Certificate*

Zertifikatsnummer Certificate No.:

R 50640745 0002

Berichtsnummer Report No.:

CN24ISCO 002

Genehmigungsinhaber License Holder:

NingBo Deye Inverter Technology
Co., Ltd.
No. 26 South YongJiang Road, Daqi,
Beilun NingBo
315800 Zhejiang
P.R. China

Fertigungsstätte Manufacturing Site:

NingBo Deye Inverter Technology
Co., Ltd.
No. 26 South YongJiang Road, Daqi,
Beilun NingBo
315800 Zhejiang
P.R. China

Prüfzeichen Test Mark:

Geprüft nach Tested according to:

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

Geräteidentifikation
Product Identification
Produkt:
Product:

PV-Inverter

(Hybrid Inverter)

Modell:
Type:

Modelle sind auf nächste(r) Seite(n) gelistet

Type designation(s) are listed on the next page(s)
Technische Daten:
Technical Data:

Refer to next page(s)

ANLAGE (Appendix): 1.1

Gültig ab:
Valid from:

2025-06-23

Zertifizierungsstelle:
Certification body:
Ausstellungsdatum:
Date of issue:

2025-06-23

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Dem Zertifikat liegt unsere Prüf- und Zertifizierungsordnung zugrunde und es bestätigt die Konformität des Produktes mit den oben genannten Standards und Prüfgrundlagen. Zusätzliche Anforderungen in Ländern, in denen das Produkt in Verkehr gebracht werden soll, müssen zusätzlich betrachtet werden. Die Herstellung des zertifizierten Produktes wird überwacht.
This certificate is based on our Testing and Certification Regulation and states the conformity of the product with the standards and testing requirements as indicated above. Any additional requirements in countries where the product is going to be marketed have to be considered additionally. The manufacturing of the certified product is subject to surveillance.

TÜV Rheinland LGA Products GmbH, Tillystraße 2, 90431 Nürnberg
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Precisely Right.

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Produkt *Product:* PV-Inverter
(Hybrid Inverter)

Modell *Type:* **Bezeichnung** *Designation:*
As R 50640745 0001

Modification

- : 1) SUN-5K-SG02LP1-EU-AM2 ;
- 2) SUN-6K-SG02LP1-EU-AM2 ;
- 3) SUN-7.6K-SG02LP1-EU-AM2 ;
- 4) SUN-8K-SG02LP1-EU-AM2 ;
- 5) SUN-10K-SG02LP1-EU-AM3 ;
- 6) SUN-12K-SG02LP1-EU-AM3

Change 1 : On-grid AC side:
Change Max. Input/Output Current.[Aa.c.]

From:

- 1)22.8/21.8; 2)27.3/26.1;
- 3)34.6/33.1; 4)36.4/34.8;
- 5)45.5/43.5; 6)54.6/52.2

To:

- 1)25/24 ; 2)30/28.7;
- 3)38/36.4 ; 4)40/38.3;
- 5)50/47.9 ; 6)60/57.4

Change 2 : Off-grid AC side:
Change Max. Output Current.[Aa.c.]

From:

- 1)22.8/21.8 ; 2)27.3/26.1;
- 3)34.6/33.1 ; 4)36.4/34.8;
- 5)45.5/43.5 ; 6)54.6/52.2

To:

- 1)25/24 ; 2)30/28.7;
- 3)38/36.4 ; 4)40/38.3;
- 5)50/47.9 ; 6)60/57.4

Addition
Type Designation

- : 1) SUN-7.6K-SG02LP1-EU-AM2-P ,
- 2) SUN-8K-SG02LP1-EU-AM2-P ,
- 3) SUN-10K-SG02LP1-EU-AM3-P ,
- 4) SUN-12K-SG02LP1-EU-AM3-P ,



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Modell *Type:* **Bezeichnung** *Designation:*

PV side:

Vmax PV [Vd.c.]

: 500

Max. Input current [Ad.c.]

: 1)32*2 2)32*2

3)32*3 4)32*3

Isc PV [Ad.c.]

: 1)60*2 2)60*2

3)60*3 4)60*3

MPPT Voltage Range [Vd.c.]

: 150-425

MPPT Full Power Voltage Range [Vd.c.]

: 200-425

Overvoltage Category (OVC)

: II

Battery side

:

Voltage range[Vd.c.]

: 40-60

Max.charge/discharge Current[Ad.c.]

: 1)190 2)190

3)220 4)250

Overvoltage Category(OVC)

: II

Battery type

: Lithium-ion or Lead-acid

On-grid AC side:

Rated Output Volt [Va.c.]

: L+N+PE 220/230

Rated Output Freq. [Hz]

: 50/60

Rated Input/Output Power [kW]

: 1)7.6 2)8.0

3)10.0 4)12.0

Max. Input/Output Apparent Power[kVA]:

1)8.36 2)8.8

3)11.0 4)13.2

Rated Input/Output Current.[Aa.c.]

: 1)34.6/33.1 2)36.4/34.8

3)45.5/43.5 4)54.6/52.2

Max. Input/Output Current.[Aa.c.]

: 1)38/36.4 2)40/38.3

3)50/47.9 4)60/57.4

Power Factor

: 0.8 leading-0.8 lagging

Overvoltage Category (OVC)

: III

Max. Continuous AC bypass current
(grid to load) [Aa.c.]

: 1)50,

3)60,

2)50,

4)60,

Off-grid AC side

:

Rated Output Volt [Va.c.]

: L+N+PE 220/230

Rated Output Freq. [Hz]

: 50/60

Rated Output Power [kW]

: 1)7.6, 2)8.0,

3)10.0, 4)12.0

Rated Output Current.[Aa.c.]

: 1)34.6/33.1 2)36.4/34.8

3)45.5/43.5 4)54.6/52.2

Max. Output Current.[Aa.c.]

: 1)38/36.4 2)40/38.3

3)50/47.9 4)60/57.4

GEN AC side

:

Rated Input Volt [Va.c.]

: L+N+PE 220/230

Rated Input Freq. [Hz]

: 50/60

Rated Input Power [kW]

: 1)7.6, 2)8.0,

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Modell *Type:* **Bezeichnung** *Designation:*

	3)10.0,	4)12.0
Rated Input Current [Aa.c.]	: 1)34.6/33.1	2)36.4/34.8
	3)45.5/43.5	4)54.6/52.2

Overvoltage Category (OVC) : III

Protective Class	: I
Ingress Protection (IP)	: IP65
Pollution Degree (PD)	: PD3
Operating Temperature [°C]	: -40 to 60, >45 derating
Altitude [m]	: 2000
Type of Inverter	: Non isolated

Remark(s):

The installation has to be carried out according to the installation instruction specified by the manufacturer. Any additional requirements in countries where the product is going to be marketed have to be considered additionally.

