

Zertifikat *Certificate*

Zertifikatsnummer Certificate No.:

R 50708761 0001

Berichtsnummer Report No.:

CN25XMRV 001

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:

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

Geräteidentifikation
Product Identification
Produkt:

PV-Inverter

Product:

(Grid-connected PV inverter)

Modell:

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

Type:

Type designation(s) are listed on the next page(s)

Technische Daten:

Refer to the next page(s)

Technical Data:
Gültig ab:

2026-01-12

Valid from:
Zertifizierungsstelle:
Certification body:
Ausstellungsdatum:

2026-01-12

Date of issue:

Bowen Dong



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.

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 **TÜVRheinland®**
Precisely Right.

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Produkt *Product:* PV-Inverter
(Grid-connected PV inverter)

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

- 1) SUN-1K-G05P1-EU-CM1 ,
- 2) SUN-1.5K-G05P1-EU-CM1,
- 3) SUN-2K-G05P1-EU-CM1 ,
- 4) SUN-2.2K-G05P1-EU-CM1,
- 5) SUN-2.5K-G05P1-EU-CM1,
- 6) SUN-2.7K-G05P1-EU-CM1,
- 7) SUN-3K-G05P1-EU-CM1 ,
- 8) SUN-3.3K-G05P1-EU-CM1,
- 9) SUN-3.6K-G05P1-EU-CM1,
- 10) SUN-4K-G05P1-EU-CM1

For PV side : See below
 Vmax PV [Vd.c.] : 550
 MPPT Voltage Range [Vd.c.] : 40-500
 Isc PV [Ad.c.] : 30
 Max. Input Current [Ad.c.] : 20
 Overvoltage Category (OVC) : II

For On-grid port : See below
 Nominal Output Voltage [Va.c.] : L+N+PE, 220/230
 Nominal Output Frequency [Hz] : 50/60
 Rated Output Power [kW] :

1) 1, 2) 1.5, 3) 2,
 4) 2.2, 5) 2.5, 6) 2.7,
 7) 3, 8) 3.3, 9) 3.6,
 10) 4

Rated Output Current [Aa.c.] : 1) 4.6/4.4, 2) 6.9/6.6, 3) 9.1/8.7,
 4) 10.0/9.6, 5) 11.4/10.9, 6) 12.3/11.8,
 7) 13.7/13.1, 8) 15.0/14.4, 9) 16.4/15.7,
 10) 18.2/17.4

Max. Output Apparent Power [kVA]: 1) 1.1, 2) 1.65, 3) 2.2,
 4) 2.42, 5) 2.75, 6) 2.97,
 7) 3.3, 8) 3.63, 9) 3.96,
 10) 4.4

Max. Output Current [Aa.c.] : 1) 5.0/4.8, 2) 7.5/7.2, 3) 10.0/9.6,
 4) 11.0/10.6, 5) 12.5/12.0, 6) 13.5/13.0,
 7) 15.0/14.4, 8) 16.5/15.8, 9) 18.0/17.3,
 10) 20.0/19.2

Power Factor : 0.8 leading - 0.8 lagging
 Overvoltage Category (OVC) : III

Protective Class : Class I
 Ingress Protection (IP) : IP 65
 Pollution Degree (PD) : PD3
 Max. Altitude[m] : 2000
 Operating Temperature [°C] : -25~60, >45 Derating
 Type of Inverter : Non-isolated

Remark(s):

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Produkt *Product:*

PV-Inverter
(Grid-connected PV inverter)

Modell *Type:*

Bezeichnung *Designation:*

The installation has to be carried out according to the installation instruction.
Any additional requirements in countries where the product is going to be marketed have to be considered additionally.
ANLAGE (Appendix): 1.0

