

Zertifikat *Certificate*

Zertifikatsnummer Certificate No.:

R 50636785 0001

Berichtsnummer Report No.:

CN238M8R 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:

IEC 62109-2:2011
IEC 62109-1:2010
EN 62109-2:2011
EN 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 next page(s)

Technical Data:

ANLAGE (Appendix): 1.0

Gültig ab:

2024-07-15

Valid from:
Zertifizierungsstelle:

Certification body:

Ausstellungsdatum:

2024-07-15

Date of issue:

A. Chen



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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www.tuv.com
TÜVRheinland®
Precisely Right.

Zertifikat *Certificate*

Zertifikatsnummer *Certificate No.:*

R 50636785 0001

Berichtsnummer *Report No.:*

CN238M8R 001

Produkt *Product:*

 PV-Inverter
 (Grid-connected PV Inverter)

Modell *Type:*
Bezeichnung *Designation:*

- | | |
|---------------------------|---------------------------|
| 1) SUN-3.6K-G05P1-EU-AM2, | 2) SUN-4K-G05P1-EU-AM2, |
| 3) SUN-4.2K-G05P1-EU-AM2, | 4) SUN-4.6K-G05P1-EU-AM2, |
| 5) SUN-5K-G05P1-EU-AM2, | 6) SUN-5.2K-G05P1-EU-AM2, |
| 7) SUN-6K-G05P1-EU-AM2, | 8) SUN-6.2K-G05P1-EU-AM2, |
| 9) SUN-6.6K-G05P1-EU-AM2, | 10) SUN-7K-G05P1-EU-AM2, |
| 11) SUN-7.5K-G05P1-EU-AM2 | |

MPPT Full Power Voltage Range[Vd.c.]:

1)130-500,	2)145-500,
3)150-500,	4)165-500,
5)180-500,	6)190-500,
7)215-500,	8)225-500,
9)240-500,	10)250-500,
11)270-500	

Rated Output Power PE [kW]

: 1)3.6,	2)4,	3)4.2,
4)4.6,	5)5.0,	6)5.2,
7)6.0,	8)6.2,	9)6.6,
10)7,	11)7.5	

Maximum Output Power [kW]

: 1)3.96,	2)4.4,	3)4.62,
4)5.06,	5)5.5,	6)5.72,
7)6.6,	8)6.82,	9)7.26,
10)7.7,	11)8.25	

Rated. Output Current Ir[Aa.c.]

: 1)16.4/15.7,	2)18.2/17.4,
3)19.1/18.3,	4)21.0/20,
5)22.8/21.8,	6)23.7/22.7,
7)27.3/26.1,	8)28.2/27.0,
9)30.0/28.7,	10)31.9/30.5,
11)34.1/32.7	

Max. Output Current I_{max}[Aa.c.]

: 1)18.0/17.3,	2)20.0/19.2,
3)21.0/20.1,	4)23.0/22.0,
5)25.0/24.0,	6)26.0/24.9,
7)30.0/28.7,	8)31.0/29.7,
9)33.0/31.6,	10)35.0/33.5,
11)37.5/35.9	

For all models:

Protective Class	: Class I
Ingress Protection (IP)	: IP65
Pollution degree (PD)	: PD3
Operating Temperature [°C]	: -25 to 60 (> 45 derating)
Altitude [m]	: 3000
Type of Inverter	: Non-isolated
V _{MAX} Input [Vd.c.]	: 550
Input Voltage Range [Vd.c.]	: 70-500
I _{sc} PV[Ad.c.]	: 27+27
Maximum DC Input Current [Ad.c.]	: 18+18
Start PV Voltage [Vdc]	: 80
Backfeed Current [A]	: 0
Rated Output Voltage U _r [Va.c.]	: L/N/PE,220/230



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Produkt *Product:*PV-Inverter
(Grid-connected PV Inverter)**Modell** *Type:***Bezeichnung** *Designation:*Rated Output Frequency FNETZ [Hz] : 50/60
Power Factor $\cos\phi$ [λ] : -0.8 to 0.8**Remark(s):**

The installation has to be carried out according to the attached installation instruction.

Any additional requirements in countries where the product is going to be marketed have to be considered additionally.



CERTIFICATE

of Conformity

Low Voltage Directive (EU) 2014/35

Registration No.: AN 50636793 0001
Report No.: CN238M8R 001
Holder: NingBo Deye Inverter Technology
Co., Ltd.
No. 26 South Yongjiang Road, Daqi,
Beilun NingBo
315800 Zhejiang
P.R. China
Product: PV-Inverter
(Grid-connected PV Inverter)

Type designation listed on the next page

This certificate of conformity is based on an evaluation of a sample of the above-mentioned product. Technical Report and documentation are at the License Holder's disposal. This is to certify that the tested sample is in conformity with Annex I of Council Directive (EU) 2014/35, referred to as the Low Voltage Directive. This certificate does not imply assessment of the series-production of the product and does not permit the use of a TÜV Rheinland mark of conformity. The holder of the certificate is authorized to use this certificate in connection with the EC declaration of conformity according to Annex IV of the Directive.

Certification Body

Date: 2024-07-15


A. Chen



TÜV Rheinland LGA Products GmbH - Tillystraße 2 - 90431 Nürnberg

The CE marking may be used if all relevant and effective EC Directives/Regulations are complied with.

CERTIFICATE

of Conformity

Low Voltage Directive (EU) 2014/35

Registration No.: AN 50636793 0001

Product: PV-Inverter
(Grid-connected PV Inverter)

Identification:

Type Designation

- | | |
|---------------------------|---------------------------|
| 1) SUN-3.6K-G05P1-EU-AM2, | 2) SUN-4K-G05P1-EU-AM2, |
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| 9) SUN-6.6K-G05P1-EU-AM2, | 10) SUN-7K-G05P1-EU-AM2, |
| 11) SUN-7.5K-G05P1-EU-AM2 | |

Serial No.: 2309274215

Remark(s) : Issued in conjunction with TÜV Rheinland
license R 50636785 0001.



TÜV Rheinland LGA Products GmbH - Tillystraße 2 - 90431 Nürnberg

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