

Zertifikat *Certificate*

Zertifikatsnummer Certificate No.:

R 50644703 0001

Berichtsnummer Report No.:

CN24812U 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:


Type Approved
Safety
Regular Production
Surveillance

www.tuv.com
ID 1111290063

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:

(Hybrid 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:

2024-08-29

Valid from:
Zertifizierungsstelle:
Certification body:
Ausstellungsdatum:

2024-08-29

Date of issue:

Dean Cao



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:*

- 1) SUN-5K-SG01HP3-EU-DM2 ; 2) SUN-6K-SG01HP3-EU-DM2 ;
 3) SUN-8K-SG01HP3-EU-DM2 ; 4) SUN-10K-SG01HP3-EU-DM2 ;
 5) SUN-12K-SG01HP3-EU-DM2

PV side:

V_{max} PV [Vd.c.] : 1000
 Max. Input current [Ad.c.] : 18+18
 I_{sc} PV [Ad.c.] : 27+27
 MPPT Voltage Range [Vd.c.] : 150-850
 MPPT Full Power Voltage Range [Vd.c.] : 1)195-850; 2)195-850;
 3)260-850; 4)362-850;
 5)450-850

Overvoltage Category (OVC) : II

Battery side:

Voltage range[Vd.c.] : 160-700
 Max.charge/discharge Current[Ad.c.] : 37/37
 Overvoltage Category(OVC) : II
 Battery type : Lithium-ion

On-grid AC side:

Rated Volt [Va.c.] : 3L+N+PE, 220/380, 230/400
 Rated Freq. [Hz] : 50/60
 Rated Input/Output Power [kW] : 1)5.0; 2)6.0; 3)8.0; 4)10.0;5)12.0
 Max. Input/Output Apparent Power[kVA] : 1)5.5; 2)6.6; 3)8.8; 4)11.0;5)13.2
 Rated Input/Output Current.[Aa.c.] : 1)7.6/7.3; 2)9.1/8.7;
 3)12.2/11.6; 4)15.2/14.5;
 5)18.2/17.4

Max. Input/Output Current.[Aa.c.] : 1)8.4/8.0; 2)10.0/9.6;
 3)13.4/12.8; 4)16.7/16.0;
 5)20.0/19.2

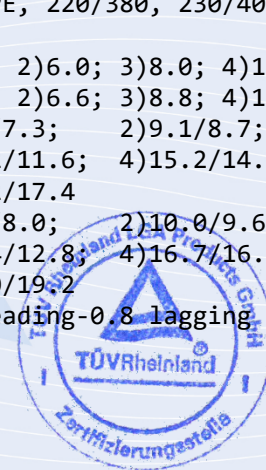
Power Factor : 0.8 leading-0.8 lagging

Overvoltage Category (OVC) : III

Max. Continuous AC bypass current
(grid to load)[Aa.c.] : 35

Off-grid AC side:

Rated Output Volt [Va.c.] : 3L+N+PE, 220/380, 230/400
 Rated Output Freq. [Hz] : 50/60
 Rated Output Power [kW] : 1)5.0; 2)6.0; 3)8.0; 4)10.0;5)12.0
 Rated Output Current.[Aa.c.] : 1)7.6/7.3; 2)9.1/8.7;
 3)12.2/11.6; 4)15.2/14.5;
 5)18.2/17.4



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

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

GEN AC side:

Rated Input Volt [Va.c.]	: 3L+N+PE, 220/380, 230/400
Rated Input Freq. [Hz]	: 50/60
Rated Input Power [kW]	: 1)5.0; 2)6.0; 3)8.0; 4)10.0;5)12.0
Rated Input Current [Aa.c.]	: 1)7.6/7.3; 2)9.1/8.7; 3)12.2/11.6; 4)15.2/14.5; 5)18.2/17.4

Overvoltage Category (OVC)	: III
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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 attached installation instruction.

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

