

Zertifikat *Certificate*

Zertifikatsnummer Certificate No.:

R 50677160 0001

Berichtsnummer Report No.:

CN25M3XT 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 62109-1:2010
IEC 62109-1:2010
EN 62109-2:2011
IEC 62109-2:2011

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 the next page(s)

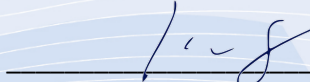
ANLAGE (Appendix): 1.0

Gültig ab:
Valid from:

2025-05-14

Zertifizierungsstelle:
Certification body:
Ausstellungsdatum:
Date of issue:

2025-05-14


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.

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-12K-SG01LP1-EU-AM3-P
- 2) SUN-14K-SG01LP1-EU-AM3-P
- 3) SUN-16K-SG01LP1-EU-AM3-P
- 4) SUN-18K-SG01LP1-EU-AM3-P

Vmax PV [Vd.c.]	:	500
Isc PV [Ad.c.]	:	54*3
MPP Voltage Range [Vd.c.]	:	150 - 425
Max.Input Current [Ad.c.]	:	36*3
Overvoltage Category (OVC)	:	II for PV
Rated Input/Output Volt.[Va.c.]	:	L+N+PE, 220 / 230
Rated Input/Output Freq.[Hz]	:	50/60
Rated Input/Output Power [kW]	:	1) 12 2) 14 3) 16 4) 18
Max.Input/Output Apparent Power [kVA]:	:	1) 13.2 2) 15.4 3) 17.6 4) 19.8
Rated Input/Output Current [Aa.c.]	:	1) 54.6/52.2 2) 63.7/60.9 3) 72.8/69.6 4) 81.9/78.3
Max.Input/Output Current.[Aa.c.]	:	1) 60.0/57.4 2) 70.0/67.0 3) 80.0/76.6 4) 90.0/86.1
Power Factor	:	0.80(leading), 0.80(lagging)
Overvoltage Category(OVC)	:	III for AC mains
Off-grid Rated Output Volt. [Va.c.]	:	L+N+PE, 220/230
Off-grid Rated Output Freq. [Hz]	:	50/60
Off-grid Rated Output Power [kW]	:	1) 12 2) 14 3) 16 4) 18
Off-grid Rated Output Current[Aa.c.]	:	1) 54.6/52.2 2) 63.7/60.9 3) 72.8/69.6 4) 81.9/78.3
VMAX BAT [Vd.c.]	:	60
Battery type	:	Lithium-ion
Voltage Range [Vd.c.]	:	40-60
Max.Charge/Discharge Current [A]	:	1) 220 2) 250 3) 290 4) 350
Overvoltage Category (OVC)	:	II for Battery
Protective Class	:	Class I
Ingress Protection (IP)	:	IP65
Pollution Degree (PD)	:	PD3
Altitude[m]	:	≤3000
Operating Temperature [°C]	:	-40 to 60 (> 45 derating)
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.

