

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:


Type Approved
Safety
Regular Production
Surveillance

www.tuv.com
ID 1111301355

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

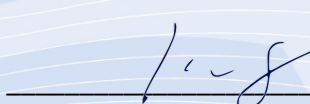
Zertifizierungsstelle:

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

<http://www.tuv.com/safety> E-mail: markcheck@tuv.com

Fax: +49 221 806-3935

www.tuv.com

 **TÜVRheinland®**
Precisely Right.

Zertifikat *Certificate*

Zertifikatsnummer *Certificate No.:*

R 50677160 0001

Berichtsnummer *Report No.:*

CN25M3XT 001

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.



CERTIFICATE

of Conformity

Low Voltage Directive (EU) 2014/35

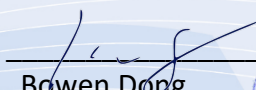
Registration No.: AN 50677161 0001
Report No.: CN25M3XT 001
Holder: NingBo Deye Inverter Technology
Co., Ltd.
No. 26 South Yongjiang Road, Daqi,
Beilun NingBo
315800 Zhejiang
P.R. China
Product: PV-Inverter
(Hybrid inverter)

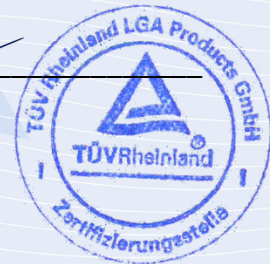
Type designation listed on the next page

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: 2025-05-14


Bowen Dong



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 50677161 0001

Product: PV-Inverter
(Hybrid inverter)

Identification: Type 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

Remark(s): Issued in conjunction with TÜV
Rheinland license R 50677160 0001.



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.

Zertifikat *Certificate*

Zertifikatsnummer Certificate No.:

R 50677160 0002

Berichtsnummer Report No.:

CN25M3XT 003

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:

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Geprüft nach Tested according to:

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IEC 62109-1:2010
EN 62109-2:2011
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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): 1.1

Gültig ab:
Valid from:

2026-01-20

Zertifizierungsstelle:
Certification body:
Ausstellungsdatum:
Date of issue:

2026-01-20

Bowen Dong



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TÜV Rheinland LGA Products GmbH, Tillystraße 2, 90431 Nürnberg

<http://www.tuv.com/safety> E-mail: markcheck@tuv.com

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Zertifikat *Certificate*

Zertifikatsnummer *Certificate No.:*

R 50677160 0002

Berichtsnummer *Report No.:*

CN25M3XT 003

Produkt *Product:*

PV-Inverter
(Hybrid inverter)

Modell *Type:*

Bezeichnung *Designation:*

As R 50677160 0001

Modification:

SUN-18K-SG01LP1-EU-AM3-P

Change Max.Charge/Discharge Current [A]
From 350 To 380

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.



CERTIFICATE

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Low Voltage Directive (EU) 2014/35

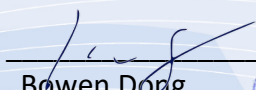
Registration No.: AN 50710579 0001
Report No.: CN25M3XT 003
Holder: NingBo Deye Inverter Technology
Co., Ltd.
No. 26 South Yongjiang Road, Daqi,
Beilun NingBo
315800 Zhejiang
P.R. China
Product: PV-Inverter
(Hybrid inverter)

Type designation listed on the next page

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Certification Body

Date: 2026-01-20


Bowen Dong



TÜV Rheinland LGA Products GmbH - Tillystraße 2 - 90431 Nürnberg

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CERTIFICATE

of Conformity

Low Voltage Directive (EU) 2014/35

Registration No.: AN 50710579 0001

Product: PV-Inverter
(Hybrid inverter)

Identification: Type Designation
SUN-12K-SG01LP1-EU-AM3-P ,
SUN-14K-SG01LP1-EU-AM3-P ,
SUN-16K-SG01LP1-EU-AM3-P ,
SUN-18K-SG01LP1-EU-AM3-P

Remark(s): Issued in conjunction with TÜV Rheinland
license R 50677160 0001-0002



TÜV Rheinland LGA Products GmbH - Tillystraße 2 - 90431 Nürnberg

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