Zertifikat *Certificate*

Zertifikatsnummer *Certificate No.:*
R 50668165 0001

Berichtsnummer *Report No.:*
CN25MG4L 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:*

TÜVRheinland CERTIFIED
Type Approved
Safety
Regular Production
Surveillance
www.tuv.com
ID 1111298242

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: 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 the next page(s)
Technical Data: ANLAGE (Appendix): 1.0

Gültig ab: 2025-04-10
Valid from:

Ausstellungsdatum: 2025-04-10
Date of issue:

Zertifizierungsstelle:
Certification body:

Bowen Dong

TÜV Rheinland LGA Products GmbH
TÜVRheinland
Zertifizierungsstelle

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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Fax: +49 221 806-3935

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

Modell *Type:* **Bezeichnung** *Designation:*
(1) SUN-25K-SG02HP3-EU-AM3 ,
(2) SUN-29.9K-SG02HP3-EU-AM3 ,
(3) SUN-30K-SG02HP3-EU-AM3

Vmax PV [Vd.c.]	: 1000		
Isc PV [Ad.c.]	: 54*3		
MPP Voltage Range [Vd.c.]	: 150 - 850		
Max. Input Current [Ad.c.]	: 36*3		
Overvoltage Category (OVC)	: II for PV		
Rated Input/Output Volt.[Va.c.]	: 3L+N+PE, 220/380, 230/400		
Rated Input/Output Freq.[Hz]	: 50/60		
Rated Input/Output Power [W]	: 1) 25000	2) 29900	3)30000
Max. Input/Output Apparent Power [VA]	: 1) 27500	2) 29900	3)33000
Rated Output Current [Aa.c.]	: 1) 37.9/36.3	2) 45.4/43.4	3) 45.5/43.5
Max. AC Output Current.[Aa.c.]	: 1) 41.7/39.9	2) 45.4/43.4	3) 50/47.9
Power Factor	: 0.8(leading),0.8(lagging)		
Overvoltage Category(OVC)	: III for AC mains		
Off-grid Rated Output Volt. [Va.c.]	: 3L+N+PE, 220/380, 230/400		
Off-grid Rated Output Freq. [Hz]	: 50/60		
Off-grid Rated Output Power [W]	: 1) 25000	2) 29900	3)30000
Off-grid Rated Output Current[Aa.c.]	: 1) 37.9/36.3	2) 45.4/43.4	3) 45.5/43.5
VMAX BAT [Vd.c.]	: 700		
Battery type	: Lithium-ion		
Voltage Range [Vd.c.]	: 160-700		
Max. Charge/Discharge Current [A]	: 75		
Overvoltage Category (OVC)	: II for Battery		
Protective Class	: Class I		
Ingress Protection (IP)	: IP65		
Pollution Degree (PD)	: PD3		
Altitude[m]	: ≤3000		
Operating Temperature [ºC]	: -40 to 60 (> 45 de-rating)		
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.

TÜV Rheinland LGA Products GmbH TÜVRheinland Zertifizierungsstelle

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