Zertifikat *Certificate*

Zertifikatsnummer *Certificate No.:*
R 50750203 0001

Berichtsnummer *Report No.:*
CN26XTQB 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 1111324073

Geprüft nach *Tested according to:*
EN 62109-1:2010
EN 62109-2:2011
IEC 62109-1:2010
IEC 62109-2:2011

Geräteidentifikation
Product Identification

Produkt: Energy Storage System
Product: (Stackable Energy Storage System)

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: 2026-10-26
Valid from:

Ausstellungsdatum: 2026-10-26
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
http://www.tuv.com/safety E-mail: markcheck@tuv.com
Fax: +49 221 806-3935

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Produkt *Product:* Energy Storage System
(Stackable Energy Storage System)

Modell *Type:* **Bezeichnung** *Designation:*
Type Designation:
1) SUN-3K-SG06LP1-EU-TM1 ,
2) SUN-3.6K-SG06LP1-EU-TM2 ,
3) SUN-4K-SG06LP1-EU-TM2 ,
4) SUN-4.6K-SG06LP1-EU-TM2 ,
5) SUN-5K-SG06LP1-EU-TM2 ,
6) SUN-6K-SG06LP1-EU-TM2

For PV side	: See below
Vmax PV [Vd.c.]	: 500
MPPT Voltage Range [Vd.c.]	: 150-425
Isc PV [Ad.c.]	: 1)27, 2)3)4)5)6)27+27
Max. Input Current [Ad.c.]	: 1)18, 2)3)4)5)6)18+18
Overvoltage Category (OVC)	: II
For Battery side	: See below
Battery Type	: LiFePO4
Voltage Range [Vd.c.]	: 41.6-58.4
Max. Charge Current [Ad.c.]	: 1)70, 2)90, 3)95, 4)5)120, 6)135
Max. Discharge Current [Ad.c.]	: 1)70, 2)90, 3)95, 4)5)120, 6)135
Rated Energy[kWh]	: 16
Overvoltage Category (OVC)	: II
For On-grid port	: See below
Nominal Input / Output Voltage [Va.c.]	: L/N/PE 220/230
Nominal Input / Output Frequency [Hz]	: 50/60
Rated Input / Output Power [kW]	: 1)3, 2)3.6, 3)4, 4)4.6, 5)5, 6)6
Rated Input / Output Current [Aa.c.]	: 1)13.7/13.1, 2)16.4/15.7, 3)18.2/17.4, 4)21/20, 5)22.8/21.8, 6)27.3/26.1
Max. Input / Output Apparent Power [kVA]	: 1)3.3, 2)3.96, 3)4.4, 4)4.6, 5)5.5, 6)6.6
Max. Input / Output Current [Aa.c.]	: 1)15/14.4, 2)18/17.3, 3)20/19.2, 4)21/20, 5)25/24, 6)30/28.7
Power Factor	: 0.8 leading – 0.8 lagging
Overvoltage Category (OVC)	: III
For GEN Port	: See below
Nominal Input Voltage [Va.c.]	: L/N/PE 220/230
Nominal Input Frequency [Hz]	: 50/60
Rated Input Current [Aa.c.]	: 35
For Off-grid side	: See below

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Modell *Type:*

Bezeichnung *Designation:*

Nominal Output Voltage [Va.c.]	: L/N/PE 220/230
Nominal Output Frequency [Hz]	: 50/60
Max. Output Power [kVA]	: 1)3.3, 2)3.96, 3)4.4, 4)4.6, 5)5.5, 6)6.6
Max. Output Current [Aa.c.]	: 1)15/14.4, 2)18/17.3, 3)20/19.2, 4)21/20, 5)25/24, 6)30/28.7
Protective Class	: I
Ingress Protection (IP)	: IP66
Pollution Degree (PD)	: PD3
Max. Altitude[m]	: 3000
Operating Temperature [°C]	: Charge: 1～55°C / Discharge: -20～55°C,＞45°C 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.

TÜV Rheinland LGA Products GmbH
TÜVRheinland®
Zertifizierungsstelle

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