

# Zertifikat *Certificate*

**Zertifikatsnummer Certificate No.:**

R 50715805 0003

**Berichtsnummer Report No.:**

CN258ZAG 002

**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:**

2 Fertigungsstätten auf Folgeseiten  
*Listing of 2 factories on following pages*

**Prüfzeichen Test Mark:**

**Geprüft nach Tested according to:**

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

**Geräteidentifikation**
**Product Identification**

**Produkt:** Energy Storage System  
**Product:** (All-in-one Micro 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 next page(s)  
**Technical Data:** ANLAGE (Appendix): 1.1

**Gültig ab:** 2026-06-16  
**Valid from:**

**Zertifizierungsstelle:**  
**Certification body:**

**Ausstellungsdatum:** 2026-06-16  
**Date of issue:**

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](mailto:markcheck@tuv.com)

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(All-in-one Micro Energy Storage System)

**Modell** *Type:* **Bezeichnung** *Designation:*  
As pages 0001 to 0002

Addition:

1) SUN-BKx-2.56KWH-EU-AM2-32L , 2) SUN-BKx-2.56KWH-SA-AM2-32L  
3) SUN-BKx-2.56KWH-AA-AM2-32L , 4) SUN-BKx-2.56KWH-EU-AM2-32  
5) SUN-BKx-2.56KWH-SA-AM2-32 , 6) SUN-BKx-2.56KWH-AA-AM2-32  
(variable x can be: 80,160,200,250)

For Battery Side : See below

|                                  |           |
|----------------------------------|-----------|
| Battery type                     | : LiFePO4 |
| Nominal Voltage [Vd.c.]          | : 51.2    |
| Nominal Capacity [Ah]            | : 50      |
| Nominal Energy [KWh]             | : 2.56    |
| Max. Charging Current [Ad.c.]    | : 50      |
| Max. Discharging Current [Ad.c.] | : 50      |

For AC port : See below

|                                       |                             |
|---------------------------------------|-----------------------------|
| Max. Apparent Input Power [VA]        | : 1)2)3)4)5)6)              |
| variable x is 80                      | : 880                       |
| variable x is 160                     | : 1760                      |
| variable x is 200                     | : 2200                      |
| variable x is 250                     | : 2750                      |
| Max. Apparent Input Current [Aa.c.]   | : 1)2)3)4)5)6)              |
| variable x is 80                      | : 4                         |
| variable x is 160                     | : 8                         |
| variable x is 200                     | : 10                        |
| variable x is 250                     | : 12.5                      |
| Max. Apparent Output Power [VA]       | : 1)2)3)4)5)6)              |
| variable x is 80                      | : 880                       |
| variable x is 160                     | : 1760                      |
| variable x is 200                     | : 2200                      |
| variable x is 250                     | : 2750                      |
| Max. Apparent Output Current [Aa.c.]  | : 1)2)3)4)5)6)              |
| variable x is 80                      | : 3.9                       |
| variable x is 160                     | : 7.7                       |
| variable x is 200                     | : 9.6                       |
| variable x is 250                     | : 12                        |
| Nominal Output/Input Voltage [Va.c.]  | : L/N/PE, 220/230           |
| Nominal Output/Input Frequency [Hz]   | : 50/60                     |
| Max. AC Input Current(Bypass) [Aa.c.] | : 30                        |
| Power Factor                          | : 0.8 leading - 0.8 lagging |
| Overvoltage Category (OVC)            | : II                        |

For PV Port : See below

|                            |         |
|----------------------------|---------|
| Vmax PV [Vd.c.]            | : 60    |
| MPPT Voltage Range [Vd.c.] | : 20-55 |
| Max. Input Current [Ad.c.] | : 32+32 |



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

Isc PV [Ad.c.] : 48+48  
Overvoltage Category (OVC) : II

For Load port : See below

Load output Power [VA] : 2500

Load output Current [Aa.c.] : 11.4/10.9

Load output Voltage [Va.c.] : L/N/PE, 220/230

Load output Frequency [Hz] : 50/60

Protective Class : Class I

Ingress Protection (IP) : IP65

Pollution Degree (PD) : PD2(Inside), PD3(Outside)

Max. Altitude[m] : 2000

Operating Temperature [°C] : -10°C ~ 55°C, >45°C Derating  
(-20°C~55°C with heating, optional)

Type of Inverter : Isolated

**Remark(s):**

The installation has to be carried out according to the installation instruction specified by the manufacturer.  
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Energy Storage System (All-in-one Micro Energy Storage System)

**Fertigungsstätten** *Factories:*

- 
- 1 NingBo Deye Inverter Technology  
Co., Ltd.  
No. 26 South YongJiang Road, Daqi,  
Beilun NingBo  
315800 Zhejiang  
P.R. China
  - 2 NINGBO DEYE ESS TECHNOLOGY CO., LTD  
No.568, South Rixian Road,  
Binhai Economic Development Zone,  
Cixi, Ningbo,  
Zhejiang  
P.R. China

