

Zertifikat *Certificate*

Zertifikatsnummer Certificate No.:

R 50662805 0001

Berichtsnummer Report No.:

CN2436DU 001

Genehmigungsinhaber License Holder:

NINGBO DEYE ESS TECHNOLOGY CO., LTD
No.568, South Rixian Road,
Binhai Economic Development Zone,
Cixi, Ningbo,
Zhejiang
P.R. China

Fertigungsstätte Manufacturing Site:

NINGBO DEYE ESS TECHNOLOGY CO., LTD
No.568, South Rixian Road,
Binhai Economic Development Zone,
Cixi, Ningbo,
Zhejiang
P.R. China

Prüfzeichen Test Mark:

Geprüft nach Tested according to:

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

Geräteidentifikation
Product Identification
Produkt:

Energy Storage system

Product:

(All-in-one 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): 1.0

Gültig ab:

2025-01-24

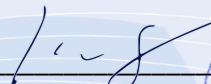
Valid from:
Zertifizierungsstelle:

Certification body:

Ausstellungsdatum:

2025-01-24

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

Fax: +49 221 806-3935

www.tuv.com

 **TÜVRheinland®**
Precisely Right.

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Produkt *Product:* Energy Storage system
(All-in-one Energy Storage System)

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

: 1) RW-F5.1-1H2 , 2) RW-F5.1-2H2 ,
3) RW-F5.3-1H3 , 4) RW-F5.3-2H3

For Battery side

Chemistry

: LiFePO4

Nominal Voltage [Vd.c.]

: 51.2

Nominal Capacity [Ah]

: 1)100, 2)100,
3)104, 4)104

Nominal Energy [kWh]

: 1)5.12, 2)5.12,
3)5.32, 4)5.32

Max.charge/discharge Current[Ad.c.]

: 1)100/100, 2)75/75,
3)100/100, 4)75/75

For AC port

AC Input/Output Rated Power [W]

: 1)5000, 2)3600,
3)5000, 4)3600

AC Input/Output Rated Currnt [Aa.c.]

: 1)22.8/21.8, 2)16.4/15.7,
3)22.8/21.8, 4)16.4/15.7Max. AC Apparent Input/Output
Power [VA]: 1)5500, 2)3960,
3)5500, 4)3960Max. AC Apparent Input/Output
Current [Ad.c.]: 1)25.0/24.0, 2)18.0/17.3,
3)25.0/24.0, 4)18.0/17.3

AC Input/Output Voltage [Va.c.]

: L/N/PE, 220/230

AC Input/Output Frequency[Hz]

: 50/60

Power Factor

: 0.8 leading to 0.8 lagging

Overvoltage Category (OVC)

: III for AC mains

Load Output Voltage [Va.c.]

: L/N/PE, 220/230

Load Output Frequency[Hz]

: 50/60

Load Output Apparent Power [VA]

: 1)5500, 2)3960,
3)5500, 4)3960

Load Output Apparent Current [Aa.c.]

: 1)25.0/24.0, 2)18.0/17.3,
3)25.0/24.0, 4)18.0/17.3

For PV String input side

: See below

Max. PV Input Voltage [Vd.c.]

: 500

MPPT Voltage Range[Vd.c.]

: 150-425

Max. PV Input Current [Ad.c.]

: 18+18

Max. PV Isc current [Ad.c.]

: 27+27

Overvoltage Category (OVC)

: II

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Produkt *Product:*

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(All-in-one Energy Storage System)

Modell *Type:*

Bezeichnung *Designation:*

General information:

Charge Operating Temperature [°C] : 1) 0 to 55(>45 derating),
2) 0 to 55(>45 derating),
3) -10 to 55(> 45 derating),
4) -10 to 55(> 45 derating)
Discharge Operating Temperature [°C] : 1) -20 to 55(> 45 derating),
2) -20 to 55(> 45 derating),
3) -10 to 55(> 45 derating),
4) -10 to 55(> 45 derating)

Ingress Protection (IP)

: IP65

Protective Class

: Class I

Pollution degree (PD)

: PD3

Altitude [m]

: 3000

Type Isolation

: PV to AC Non-isolated,
Battery to PV and AC
with transformer 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.

