

Zertifikat *Certificate*

Zertifikatsnummer Certificate No.:

R 50617556 0001

Berichtsnummer Report No.:

CN23SGGN 001

Genehmigungsinhaber License Holder:

Shenzhen Senergy Technology
Co., Ltd.
Block D, BC Park, No.18,
Xiusha Rd., Shatian, Kengzi
Sub-district, Pingshan District,
Shenzhen 518112,
P.R. China

Fertigungsstätte Manufacturing Site:

Shenzhen Senergy Technology
Co., Ltd.
Block D, BC Park, No.18,
Xiusha Rd., Shatian, Kengzi
Sub-district, Pingshan District,
Shenzhen 518112,
P.R. China

Prüfzeichen Test Mark:

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: (ESS Inverter)

Modell: Modelle sind auf nächste(r) Seite(n) gelistet

Type: Type designation(s) are listed on the next page(s)

Technische Daten: Technical data(s) are listed on the next page(s)

Technical Data: ANLAGE (Appendix): 1

Gültig ab: 2024-03-07

Valid from:
Zertifizierungsstelle:
Certification body:
Ausstellungsdatum: 2024-03-07

Date of issue:

A. Chen



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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Zertifikat *Certificate*

Zertifikatsnummer Certificate No.:

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Berichtsnummer Report No.:

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Produkt Product: Energy Storage System
(ESS Inverter)

Modell Type:
Bezeichnung Designation:

1)SE 3KHB-D1/HV, 2)SE 3K6HB-D1/HV, 3)SE 3K68HB-D1/HV,
4)SE 4K6HB-D1/HV, 5)SE 5KHB-D1/HV, 6)SE 6KHB-D1/HV

Vmax PV Voltage [Vd.c.]	: 550
PV Input Voltage Range [Vd.c.]	: 70-540
FULL load MPP Voltage Range [Vd.c.]	: 1)2)3)260-480, 4)5)6)215-480
Max.Input Current [Ad.c.]	: 16/16
Isc PV [Ad.c.]	: 20/20
Battery Voltage Range [Vd.c.]	: 80-480
Max. Charge/Discharge Current [Ad.c.]	: 42/42
Rated Output Voltage [Va.c.]	: 220/230/240 L/N/PE
Rated Output Freq. [Hz]	: 50/60
Max. Input Current [Aa.c.]	: 1)2)3)34, 4)5)6)54.5
Max. Output Current [Aa.c.]	: 1)15, 2)18, 3)16.7, 4)21, 5)25, 6)28.7
Rated Output Power [W]	: 1)3000, 2)3600, 3)3680 4)4600, 5)5000, 6)6000
Max. Output Apparent Power [VA]	: 1)3300, 2)3960, 3)3680 4)4600, 5)5500, 6)6600
Power Factor Range	: 0.8Leading - 0.8Lagging
Off-grid Output Rated Voltage [Va.c.]	: 220/230/240 L/N/PE
Off-grid Output Freq. [Hz]	: 50/60
Off-grid Output Rated Current [Aa.c.]	: 1)13.6/13.0/12.5, 2)16.4/15.7/15.0, 3)16.7/16.0/15.3, 4)20.9/20.0/19.2, 5)22.7/21.7/20.8, 6)27.3/26.1/25.0
Off-grid Output Rated Power [W]	: 1)3000, 2)3600, 3)3680, 4)4600, 5)5000, 6)6000
Off-grid Output Power Factor Range	: 1.0
Type of inverter	: Non-Isolated
Overvoltage Category(OVC)	: II for PV Side, III for AC Mains
Protective Class	: Class I
Hardware Version	: 1)2)3)9504-0307, 4)5)6)9504-0607
Firmware Version	: 030601
Ingress Protection (IP)	: IP66
Pollution Degree (PD)	: PD3
Altitude [m]	: ≤ 4000
Operating Temperature Range [°C]	: -25 to +60 (>45 derating)
Size L*W*D [mm]	: 470*360*172
Weight[kg]	: 1)2)3)14.1, 4)5)6)14.6

Remark(s):The installation has to be carried out according to the attached installation instruction.
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 50621768 0001
Report No.: CN23SGGN 001
Holder: Shenzhen Senergy Technology
Co., Ltd.
Block D, BC Park, No.18,
Xiusha Rd., Shatian, Kengzi
Sub-district, Pingshan District,
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Product: Energy Storage System
(ESS Inverter)

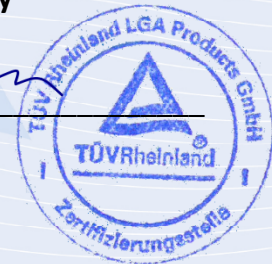
Type designation listed on the next page

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: 2024-03-07


A. Chen



TÜV Rheinland LGA Products GmbH - Tillystraße 2 - 90431 Nürnberg

CERTIFICATE

of Conformity
Low Voltage Directive (EU) 2014/35

Registration No.: AN 50621768 0001

Product: Energy Storage System
(ESS Inverter)

Identification: Type Designation
SE 3KHB-D1/HV, SE 3K6HB-D1/HV, SE 3K68HB-D1/HV,
SE 4K6HB-D1/HV, SE 5KHB-D1/HV, SE 6KHB-D1/HV
Serial Number: Engineering samples
Remark : Issued in conjunction with TÜV Rheinland
license R 50617556 0001.



TÜV Rheinland LGA Products GmbH - Tillystraße 2 - 90431 Nürnberg