

Zertifikat *Certificate*

Zertifikatsnummer Certificate No.:

R 50638156 0001

Berichtsnummer Report No.:

CN22IENK 011

Genehmigungsinhaber License Holder:

SUNSYNK LTD
ROOM 702-704,
7/F Texwood Plaza,
6 How Ming Street, Kwun Tong, Kowloon
Hongkong
P.R. China

Fertigungsstätte Manufacturing Site:

040-0002097619

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:

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:
Gültig ab:

2024-07-19

Valid from:
Zertifizierungsstelle:
Certification body:
Ausstellungsdatum:

2024-07-19

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
<http://www.tuv.com/safety> E-mail: markcheck@tuv.com

Fax: +49 221 806-3935

Zertifikat *Certificate*

Zertifikatsnummer Certificate No.:

R 50638156 0001

Berichtsnummer Report No.:

CN22IENK 011

Produkt Product: PV-Inverter
(Hybrid Inverter)

Modell Type: Bezeichnung Designation:

1) SYNK-3.6K-SG05LP1 , 2) SYNK-5K-SG05LP1 , 3) SYNK-6K-SG05LP1 ,
4) SYNK-7K-SG05LP1 , 5) SYNK-7.6K-SG05LP1 , 6) SYNK-8K-SG05LP1 ,
7) SYNK-3.6K-SG05LP1-SM2 , 8) SYNK-5K-SG05LP1-SM2 ,
9) SYNK-6K-SG05LP1-SM2 , 10) SYNK-7K-SG05LP1-SM2 ,
11) SYNK-7.6K-SG05LP1-SM2 , 12) SYNK-8K-SG05LP1-SM2

For PV String input side

Vmax PV [Vd.c.] : 500
Isc PV [Ad.c.] : 1)2)3) 17+17,
7)8)9) 27+27,
4)5)6)10)11)12) 34+34

MPPT Voltage Range[Vd.c.] : 150-425
MPPT Full Power Voltage Range[Vd.c.] : 1)2)3)7)8)9) 300-425,
4)5)6)10)11)12) 200-425,

Max. Input Current[Ad.c.] : 1)2)3) 13+13,
7)8)9) 18+18,
4)5)6)10)11)12) 26+26,

Overvoltage Category (OVC) : II

For Battery side

Voltage range[Vd.c.] : 40-60
Max.charge/discharge Current[Ad.c.] : 1)7)90/90, 2)8)120/120,
3)9)135/135, 4)10)175/175,
5)6)11)12)190/190

Overvoltage Category(OVC) : II

Battery type : Lead-acid or Li-ion

For On-grid port

Rated Output Voltage[a.c.V] : L/N/PE,220/230
Rated Output Frequency[Hz] : 50/60
Rated Output Power[kW] : 1)7)3.6, 2)8)5, 3)9)6,
4)10)7, 5)11)7.6, 6)12)8
Max. Output Apparent Power[kVA] : 1)7)3.96, 2)8)5.5, 3)9)6.6,
4)10)7.7, 5)11)8.36, 6)12)8.8,
Max. Output Current[a.c.A] : 1)18/17.2, 2)25/23.9,
3)9)30/28.7, 4)10)35/33.5,
5)38/36.3, 6)12)40/38.3,
7)18/17.3, 8)25/24,
11)38/36.4

Rated Output Current[a.c.A] : 1)7)16.4/15.7, 2)22.7/21.7,
3)9)27.3/26.1, 4)10)31.9/30.5,
5)34.5/33, 6)12)36.4/34.8,
8)22.8/21.8, 11)34.6/33.1

Power Factor : [-0.80, 0.80]

Overvoltage Category (OVC) : III for AC mains

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

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

For GEN Port

Rated Input Voltage[Va.c.]

Rated Input Power[kW]

Rated Input Current[Aa.c.]

Rated Input Frequency[Hz]

: L/N/PE,220/230

: 1)7)3.6, 2)8)5, 3)9)6,
4)10)7, 5)11)7.6, 6)12)8

: 1)7)16.4/15.7, 2)22.7/21.7,
3)9)27.3/26.1, 4)10)31.9/30.5,
5)34.5/33, 6)12)36.4/34.8,
8)22.8/21.8, 11)34.6/33.1

: 50/60

For all models

Protective Class

Ingress Protection (IP)

Pollution Degree (PD)

Altitude[m]

Operating Temperature [°C]

Type of Inverter

Product name

: Class I

: IP65

: PD3

: 2000

: -40 to 60 (> 45 derating)

: Non-isolated

: Hybrid Inverter

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 50638182 0001
Report No.: CN22IENK 011
Holder: SUNSYNK LTD
ROOM 702-704,
7/F Texwood Plaza,
6 How Ming Street, Kwun Tong, Kowloon
Hongkong
P.R. China
Product: PV-Inverter
(Hybrid 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: 2024-07-19


A. Chen



TÜV Rheinland LGA Products GmbH - Tillystraße 2 - 90431 Nürnberg

The CE marking may be used if all relevant and effective EC Directives/Regulations are complied with.

CERTIFICATE

of Conformity
Low Voltage Directive (EU) 2014/35

Registration No.: AN 50638182 0001

Product: PV-Inverter
(Hybrid Inverter)

Identification: Type Designation
1) SYNK-3.6K-SG05LP1 , 2) SYNK-5K-SG05LP1 ,
3) SYNK-6K-SG05LP1 , 4) SYNK-7K-SG05LP1 ,
5) SYNK-7.6K-SG05LP1 , 6) SYNK-8K-SG05LP1 ,
7) SYNK-3.6K-SG05LP1-SM2 , 8) SYNK-5K-SG05LP1-SM2 ,
9) SYNK-6K-SG05LP1-SM2 , 10) SYNK-7K-SG05LP1-SM2 ,
11) SYNK-7.6K-SG05LP1-SM2 , 12) SYNK-8K-SG05LP1-SM2

Serial No.: 2406282360

Remark(s) : Issued in conjunction with TÜV Rheinland
license R 50638156 0001.



TÜV Rheinland LGA Products GmbH - Tillystraße 2 - 90431 Nürnberg

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