

Certificate

of Conformity

Registered No.:

COCPVP07041/21E-04

File reference

Test report No.

Date of issue

PVP07041/21E-04

TRPVP07041/21E/04

2022-09-01

On the basis of the tests undertaken, the samples of the below product(s) have been found to comply with the essential requirements of the referenced specifications at the time the tests were carried out:

Applicant:

Ningbo Sunways Technologies Co., Ltd.

No. 1, Second Road, Green Industrial Zone, Chongshou Town, 315334

Cixi, Ningbo, Zhejiang, PEOPLE'S REPUBLIC OF CHINA

Manufacturer:

Ningbo Sunways Technologies Co., Ltd.

No. 1, Second Road, Green Industrial Zone, Chongshou Town, 315334

Cixi, Ningbo, Zhejiang, PEOPLE'S REPUBLIC OF CHINA

Factory:

Ningbo Sunways Technologies Co., Ltd.

No. 1, Second Road, Green Industrial Zone, Chongshou Town, 315334

Cixi, Ningbo, Zhejiang, PEOPLE'S REPUBLIC OF CHINA

Product:

HYBRID INVERTER

Type designation:

STH-4KTL-HT, STH-5KTL-HT, STH-6KTL-HT

STH-8KTL-HT, STH-10KTL-HT, STH-12KTL-HT

Type of equipment:

Static conversion device

☐ Rotary generation device

Remark: The device is for plants of each power.

Certification fundamental(s):

BOS-P-01 Rev. 00

Standard(s):

CEI 0-21:2019-04 "Reference technical rules for the connection of active

and passive users to the LV electrical Utilities"

See test report for detailed information.

Certification body:

TÜV NORD (HANGZHOU) CO., LTD.

Room B409, Building 1, No 9 Jiuhuan Road, Shangcheng District,

Hangzhou, Zhejiang Province, 310019, China.

Renewable Energy

ESS-T-012 COC



TÜV NORD (HANGZHOU) CO., LTD. Member of TÜV NORD Group Tel: +86-571-85386989 Fax: +86-571-85386986 www.tuv-nord.com/cn

P.R. China

Page 1 of 4 Version 1.2



Accredited by CNAS according to ISO/IEC 17065:2012, certificate no.

CNAS C183-P.

Testing laboratory:

Dongguan BALUN Testing Technology Co., Ltd.

Room 104/204/205, Building 1, No. 6, Industrial South Road, Songshan

Lake District, Dongguan, Guangdong, China.

Accredited by CNAS according to ISO/IEC 17025:2017, certificate no.

CNAS L14701.

Conclusion:

After verifying following documents, it is concluded that the product is in

compliance with the requirements of CEI 0-21:2019-04.

Certificate no. 02819Q11035R0S, issued by Beijing Zhong-An-Zhi-Huan

Certification Center Co., Ltd

☐ Test report of CEI 0-21:2019-04:

Report no. BL-DG2180967-B01 issued by Dongguan BALUN Testing

Technology Co., Ltd., accredited by CNAS according to ISO/IEC

17025:2017, certificate no. CNAS L14701

☐ Test report of EMC:

Report no. C21-389-WT, issued by Shanghai Inspection and Testing

Institute of Instruments and Automation Systems Co., Ltd., accredited by

CNAS according to ISO/IEC 17025:2017, certificate no. CNAS L0130.

Report no. 4861920333100, issued by TÜV SÜD Certification and Testing(China) Co., Ltd., accredited by CNAS according to ISO/IEC

17025:2017, certificate no. CNAS L2282

This document is based on the evaluation of the samples of the above mentioned product(s). It does not imply an assessment of the mass-production of the product(s), and it does not permit the use of a TÜV NORD mark. The holder of this document may use it in connection with the related test report(s).

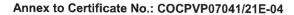
Hampling



TÜV NORD (HANGZHOU) CO., LTD. Member of TÜV NORD Group Tel: +86-571-85386989

Fax: +86-571-85386989 Fax: +86-571-85386986 www.tuv-nord.com/cn P.R. China

Renewable Energy



File no.: PVP07041/21E-04



Description of product(s):

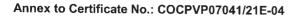
4KTL-HT 5KTL-HT 6KTL-HT 8KTL-HT HT HT HT								
Seattery input parameters: Seattery Type	Model types:				I I	10KTL-	12KTL-	
Battery input parameters: Battery Type	General information:			J				
September Sept	Firmware:	V1.00						
Voltage range[V d.c.]	Battery input parameters:							
Max. Charge Current [A d.c.]: 25/25 Max. Discharge Current [A d.c.]: AC output (Grid Side) parameters: Rated output voltage [V a.c.]: Sol/60 Rated output power [W] 4000 5000 6000 8000 10000 12000 Max. apparent power [VA] 6.7 8.3 10.0 13.3 16.5 20.0 Power factor cosφ [λ]	Battery Type:	Li-lon						
Max. Discharge Current [A d.c.]: AC output (Grid Side) parameters: Rated output voltage [V a.c.]: So/60 Rated output power [W]: 4000 5000 6000 8000 10000 12000 Max. apparent power [VA]	Voltage range[V d.c.]:	150-	50-850 200-850					
AC output (Grid Side) parameters: Rated output voltage [V a.c.]: 380/400, 3/N/PE Raged output frequency [Hz]: 50/60 Rated output power [W]: 4000 5000 6000 8000 10000 12000 Max. apparent power [VA]: 4400 5500 6600 8800 11000 13200 Max. output current [A a.c.]: 6.7 8.3 10.0 13.3 16.5 20.0 Power factor cosφ [λ]: 0.8 leading0.8 lagging AC output (Back-up) parameters: Rated output voltage [V a.c.]: 380/400, 3/N/PE Raged output frequency [Hz]: 50/60 Rated output power [W]: 4000 5000 6000 8000 10000 12000	Max. Charge Current [A d.c.] :	25/25						
Rated output voltage [V a.c.]: 380/400, 3/N/PE Raged output frequency [Hz]: 50/60 Rated output power [W]	Max. Discharge Current [A d.c.]:							
Raged output frequency [Hz]: 50/60 Rated output power [W]	AC output (Grid Side) parameters	:						
Rated output power [W]	Rated output voltage [V a.c.]:	380/400, 3/N/PE						
Max. apparent power [VA] 4400 5500 6600 8800 11000 13200 Max. output current [A a.c.] 6.7 8.3 10.0 13.3 16.5 20.0 Power factor cosφ [λ] AC output (Back-up) parameters: Rated output voltage [V a.c.]: 380/400, 3/N/PE Raged output frequency [Hz]: 50/60 Rated output power [W]: 4000 5000 6000 8000 10000 12000	Raged output frequency [Hz]:	50/60						
Max. output current [A a.c.]: 6.7 8.3 10.0 13.3 16.5 20.0 Power factor cosφ [λ]: AC output (Back-up) parameters: Rated output voltage [V a.c.]: 380/400, 3/N/PE Raged output frequency [Hz]: 50/60 Rated output power [W]: 4000 5000 6000 8000 10000 12000	Rated output power [W]:	4000	5000	6000	8000	10000	12000	
Power factor cosφ [λ]: 0.8 leading0.8 lagging AC output (Back-up) parameters: Rated output voltage [V a.c.]: 380/400, 3/N/PE Raged output frequency [Hz]: 50/60 Rated output power [W]: 4000 5000 6000 8000 10000 12000	Max. apparent power [VA]:	4400	5500	6600	8800	11000	13200	
AC output (Back-up) parameters: Rated output voltage [V a.c.]: 380/400, 3/N/PE Raged output frequency [Hz]: 50/60 Rated output power [W]: 4000 5000 6000 8000 10000 12000	Max. output current [A a.c.]:	6.7	8.3	10.0	13.3	16.5	20.0	
Rated output voltage [V a.c.]: 380/400, 3/N/PE Raged output frequency [Hz]: 50/60 Rated output power [W]	Power factor cosφ [λ]	0.8 leading0.8 lagging						
Raged output frequency [Hz]: 50/60 Rated output power [W]	AC output (Back-up) parameters:							
Rated output power [W]: 4000 5000 6000 8000 10000 12000	Rated output voltage [V a.c.]:	380/400, 3/N/PE						
	Raged output frequency [Hz]:			50/	60			
	Rated output power [W]:	4000	5000	6000	8000	10000	12000	
Max. apparent power [VA]: 4400 5500 6600 8800 11000 13200	Max. apparent power [VA]:	4400	5500	6600	8800	11000	13200	

Hermflennig



www.tuv-nord.com/cn P.R. China

Renewable Energy



File no.: PVP07041/21E-04



Manufacturer:	Ningbo Sunways Technologies Co., Ltd.			
Accumulator Model / Battery Model:	STE-BS7	STE-BS10	STE-BS12	
Capacity of each battery module (kWh):	2.56			
Number(s) of battery modules recommended by the manufacturer:	3	4	5	
Manufacturer:	Ningbo Sunways Technologies Co., Ltd.			
Accumulator Model / Battery Model:	STE-BS15	STE-BS17	STE-BS20	
Capacity of each battery module (kWh):	2.56			
Number(s) of battery modules recommended by the manufacturer:	6	7	8	

Hampland



TÜV NORD (HANGZHOU) CO., LTD. Member of TÜV NORD Group Tel: +86-571-85386989 Fax: +86-571-85386986

Fax: +86-571-8538698 www.tuv-nord.com/cn P.R. China