

Certificate
of Conformity

of Conformity

Registered No .:

	COCPVP08	198/23E-03	3		
File reference	Test rep	oort No.	Date of issue		
PVP08198/23E-03	TRPVP081	98/23E/03	2024-04-25		
On the basis of the tests under the essential requirements of the	taken, the samples of t ne referenced specifica	he below product(s) tions at the time the	have been found to comply with tests were carried out:		
Applicant:	Ningbo Sunways T	echnologies Co., L	td.		
	No. 1, Second Road Cixi, Ningbo, Zhejiar		one, Chongshou Town, 315334 JBLIC OF CHINA		
Manufacturer:	Ningbo Sunways Te	echnologies Co., L	d.		
	No. 1, Second Road Cixi, Ningbo, Zhejiar		one, Chongshou Town, 315334 JBLIC OF CHINA		
Factory:	Ningbo Sunways Te	echnologies Co., Li	d.		
	No. 1, Second Road Cixi, Ningbo, Zhejian		ne, Chongshou Town, 315334 IBLIC OF CHINA		
Product:	HYBRID INVERTER				
Type designation:	STH-15KTL-HT, STH	I-17KTL-HT, STH-20	KTL-HT, STH-25KTL-HT,		
	STH-29.9KTL-HT, ST	H-30KTL-HT, STH-	33KTL-HT		
Type of equipment:	Interface device				
	Interface protection				
	Static conversion device				
	Rotary generation Remark: The device		nower		
Certification program:	BOS-P-01 Rev. 00				
Certification fundamental(s):	CEI 0-16:2019-04, CI	El 0-16; V1:2020-12	CEI 0-16; V2:2021-06		
			CEI 0-16; V2:2023-05		
	See test report for de		,		
Certification body:	TÜV NORD (HANGZ	HOU) CO., LTD.			
Denne Aleman	Room B409, Building	1, No. 9, Jiuhuan Re	oad, Shangcheng		
Jun Jun A	CNAS	中国认可 产品	TÜV NORD (HANGZHOU) CO., LTD. Member of TÜV NORD Group Tel: +86-571-85386989		
Renewable Energy		PRODUCT CNAS C183-P	Fax: +86-571-85386986 www.tuv-nord.com/cn		
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	District, Hangzhou City, Zhejiang Province, 310019, P.R. China 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 0-16:2019-04, CEI 0-16; V1:2020-12, CEI 0-16; V2:2021-06,
	CEI 0-16:2022-03, CEI 0-16; V1:2022-11, CEI 0-16; V2:2023-05
	ISO 9001 certificate:
	Certificate no. 02819Q11035R1S, issued by Beijing Zhong-An-Zhi-Huan
	Certification Center Co., Ltd.
	Test report of CEI 0-16:2019-04, CEI 0-16; V1:2020-12,
	CEI 0-16; V2:2021-06, CEI 0-16:2022-03, CEI 0-16; V1:2022-11,
	CEI 0-16; V2:2023-05
	Report no. BL-DG2440997-201, issued by Dongguan BALUN Testing
	Technology Co., Ltd., accredited by CNAS according to ISO/IEC
	17025:2017, certificate no. CNAS L14701



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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).

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中国认可 产品 PRODUCT CNAS C183-P



Annex to Certificate No.: COCPVP08198/23E-03

File no.: PVP08198/23E-03

2024-04-25

Description of product(s):

Model types:	STH-15KTL-HT	STH-17KTL-HT	STH-20KTL-HT	STH-25KTL-HT
	General	information		
Firmware:		V1	.00	
	P	/ input		
Vmax PV [V d.c.]:		10	00	
Mpp voltage range [V d.c.]:		200-	-850	
lsc PV [A d.c.]:		40	/40	
Max. input current [A d.c.]:		32	/32	
Overvoltage category (OVC):			I	
	AC output (Gri	d Side) parameter	rs	
Rated output voltage [V a.c.]:		3/N/PE~2	230/400V	
Raged output frequency [Hz]:	50/60			
Rated output power [W]:	15000	17000	20000	25000
Max. apparent power [VA]:	16500	18700	22000	27500
Max. output current [A a.c.]:	25	28.3	33.3	41.7
Power factor cosφ [λ]:		0.8 leading .	0.8 lagging	
Overvoltage category (OVC):	111			
	Battery	parameters		
Battery Type:		Lithium batter	ry (with BMS)	
Voltage range[V d.c.]:		200-	800	
Max. Charge Current [Ad.c.]:	50			
Max. Discharge Current [Ad.c.]:	50			
	AC output (Ba	ck-up) parameters	S:	
Rated output voltage [V a.c.]:	3/N/PE~230/400V			
Hannellen	CNAS	中国认可	Member of TÜ Tel: +86-571-	
Renewable Energy		PRODUCT	Fax: +86-571-	

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Raged output frequency [Hz]:	50/60			
Rated output power [W]:	15000	17000	20000	25000
Max. apparent power [VA]:	16500	18700	22000	27500
Max. output current [A a.c.]:	25.0	28.3	33.3	41.7

Model types:	STH-29.9KTL-HT	STH-30KTL-HT	STH-33KTL-HT			
	General infor	nation				
Firmware:	V1.00					
	PV inpu	t				
Vmax PV [V d.c.]:		1000				
Mpp voltage range [V d.c.]:		200-850				
lsc PV [A d.c.]:		40/40				
Max. input current [A d.c.]:		32/32				
Overvoltage category (OVC):	[]					
	AC output (Grid Side	e) parameters				
Rated output voltage [V a.c.]:	3/N/PE~230/400V					
Raged output frequency [Hz]:	50/60					
Rated output power [W]:	29900 30000 33					
Max. apparent power [VA]:	29900 33000		36300			
Max. output current [A a.c.]:	49.8 50.0		55.0			
Power factor cosφ [λ]:	0.8 leading 0.8 lagging					
Overvoltage category (OVC):	111					
	Battery param	neters				
Battery Type:	Lithium battery (with BMS)					
Voltage range[V d.c.]:	200-800					

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Max. Charge Current [Ad.c.]:	50			
Max. Discharge Current [Ad.c.]:	50			
	AC output (Back-u	p) parameters:		
Rated output voltage [V a.c.]:	3/N/PE~230/400V			
Raged output frequency [Hz]:	50/60			
Rated output power [W]:	29900 30000 33000			
Max. apparent power [VA]:	29900	33000	36300	
Max. output current [A a.c.]:	49.8 50.0 55.0			

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中国认可 产品 PRODUCT CNAS C183-P



Remark: The inverters listed above may be installed with the following batteries:

Manufacturer:	Ningbo Sunways Technologies Co., Ltd.					
Accumulator Model / Battery Model:	STE-ES10 STE-ES15 STE-ES20 STE-ES25 STE					
Capacity of each battery module (kWh)	5.12					
Number(s) of battery modules recommended by the manufacturer	2	3	4	5	6	
Note: The batteries are not inte regulations.	grated into the i	nverter and mu	st be installed a	according to the	local	

Manufacturer:	Ningbo Sunways Technologies Co., Ltd.					
Accumulator Model / Battery Model:	STE-FS20 STE-FS30 STE-FS40 STE-					
Capacity of each battery module (kWh)	10.24					
Number(s) of battery modules recommended by the manufacturer	2	3	4	5		
Note: The batteries are not integ regulations.	rated into the inve	rter and must be in	stalled according to	the local		

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