CERTIFICATE OF CONFORMITY

Issued to:	Ningbo Sunways Technologies Co., Ltd. No. 1, Second Road, Green Industrial Zone, Chongshou Town 315334 Cixi, Ningbo, Zhejiang, P.R. China
For the product:	GRID-CONNECTED PV INVERTER
Trade name:	sunways
Type/Model:	STT-100KTL-SE, STT-110KTL-SE, STT-125KTL-SE, STT-136KTL-SE, STT-150KTL-SE, STT-130KTL-SE-HV, STT-145KTL-SE-HV, STT-165KTL-SE-HV, STT-170KTL-SE-HV, STT-55KTL-SE-LV, STT-60KTL-SE-LV, STT-70KTL-SE-LV, STT-75KTL-SE-LV, STT-80KTL-SE-LV
Ratings:	See Annex
Manufactured by:	Ningbo Sunways Technologies Co., Ltd. No. 1, Second Road, Green Industrial Zone, Chongshou Town 315334 Cixi, Ningbo, Zhejiang, P.R. China
Requirements:	IEC 61727:2004 IEC 62116:2014

This Test Certificate is granted on account of an examination by DEKRA, the results of which are laid down in a confidential file no. 6226030.50(A-B)

The examination has been carried out on one single specimen of the product. The certificate does not include an assessment of the minilecture's production. Conformity of his production with the specimen tested by DEKRA is not the responsibility of DEKRA.

This Test Certificate expires at the latest on 2030-12-25 or expires upon withdrawal of one of the above mentioned standards.

Shanghai, 2025-12-25 Number: 6226030.01COC

DEKRA Testing and Certification (Shanghai) Ltd.

Kreny Lin
Certification Manager

IAS ACCREDITED Product Certification Agency PCA-141

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Annex

Document no. : 6226030.01COC

Ratings of the products:

Model	STT-100KTL-SE	STT-110KTL-SE	STT-125KTL-SE	STT-136KTL-SE	STT-150KTL-SE	STT-130KTL-SE-HV	STT-145KTL-SE-HV	STT-165KTL-SE-HV	STT-170KTL-SE-HV
Input									
Start-up Voltage (V)	180								
Max. Input Voltage (Vdc)	1100								
Rated DC Input Voltage (Vdc)	620					750			
MPPT Voltage Range (Vdc)	200-1000								
MPPT full power voltage range (Vdc)	550-800					625-800			
No. of MPP Trackers	10								
Max. Input Current (A)	10*40								
Max. Short-circuit Current (A)	10*50								
Output									
Rated Output Power (kW)	100	110	125	136	150	130	145	165	170
Max. Output Power (kW)	110	121	137.5	149.6	165	143	159.5	181.5	187
AC output rated apparent power (kVA)	100	110	125	136	150	130	145	165	170
Max. Apparent Power (kVA)	110	121	137.5	149.6	165	143	159.5	181.5	187
Rated Output Voltage (Vac)	3L/N/PE, 220/380, 230/400					3L/N/PE, 288/500			
Rated Frequency (Hz)	50/60								
AC output rated (A)	144.3	158.8	180.4	196.3	216.5	150.1	167.4	190.5	196.3
Max. Output (A)	159	175	199	216.8	239	165.1	184.2	209.6	215.9
The measured Inrush current (A)	55 A@8.7 ms								
Max Output Fault Current (A)	300								
Max Output Overcurrent (A)	300								
Power Factor	0.8 leading …0.8 lagging								
General information: Weight (KG): 92, IP66, -30~60 °C, Relative Humidity0~100 (%), Operating Altitude: 4000m(derating>3000), Smart Fan Cooling, OLED & LED, RS485/WiFi/GPRS/LAN (Optional), AFCI (Optional).									

Annex

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Model	STT-55KTL-SE-LV	STT-60KTL-SE-LV	STT-70KTL-SE-LV	STT-75KTL-SE-LV	STT-80KTL-SE-LV
Input					
Start-up Voltage (V)	180				
Max. Input Voltage (Vdc)	1100				
Rated DC Input Voltage (Vdc)	360				
MPPT Voltage Range (Vdc)	200-1000				
MPPT full power voltage range (Vdc)	330-500				
No. of MPP Trackers	10				
Max. Input Current (A)	10*40				
Max. Short-circuit Current (A)	10*50				
Output					
Rated Output Power (kW)	55	60	70	75	80
Max. Output Power (kW)	60.5	66	77	82.5	88
AC output rated apparent power (kVA)	55	60	70	75	80
Max. Apparent Power (kVA)	60.5	66	77	82.5	88
Rated Output Voltage (Vac)	3L/N/PE, 127/220, 133/230				
Rated Frequency (Hz)	50/60				
AC output rated (A)	138.1	150.6	175.7	188.3	200.8
Max. Output (A)	158.8	173.2	202.1	216.5	230.9
The measured Inrush current (A)	55 A@8.7 ms				
Max Output Fault Current (A)	300				
Max Output Overcurrent (A)	300				
Power Factor	0.8 leading …0.8 lagging				
General information: Weight (KG): 92, IP66, -30~60 °C, Relative Humidity0~100 (%), Operating Altitude: 4000m(derating>3000), Smart Fan Cooling, OLED & LED, RS485/WiFi/GPRS/LAN (Optional), AFCI (Optional).					

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