

# CERTIFICATE OF SUITABILITY

Authorised marking: TUV-026248-E

TÜV Rheinland Australia Pty Ltd "Electrical Product Safety Certification (EPSC) Scheme", accredited by JAS-ANZ in accordance with ISO/IEC 17065, has issued this certificate under JAS-ANZ accreditation. The electrical equipment described hereunder has been evaluated and found to be electrically safe at the time of certification and met the minimum safety requirements contained in Australian Standard AS/NZS 3820 as of current. It is a requirement that all equipment supplied under this certificate shall be identical to the equipment as certified. The certificate holder may affix the above mentioned authorised marking on the product.

**CERTIFICATE HOLDER:**

Ningbo Sunways Technologies Co., Ltd.  
No. 1, Second Road, Green Industrial Zone, Chongshou Town  
Cixi, Ningbo,  
315334 Zhejiang  
P.R. China

**DESCRIPTION OF EQUIPMENT****Declared class:** Non-declared**Product:** Grid-connected PV inverter**Trade Name / Manufacturer:** Sunways **Model Number:** STT-4KTL , STT-5KTL , STT-6KTL , STT-8KTL , STT-10KTL ,  
STT-12KTL , STT-15KTL , STT-17KTL , STT-20KTL ,  
STT-25KTL , STT-4KTL-P , STT-5KTL-P , STT-6KTL-P ,  
STT-8KTL-P , STT-10KTL-P , STT-12KTL-P , STT-15KTL-P ,  
STT-17KTL-P , STT-20KTL-P , STT-25KTL-P**Ratings:** Refer to CONTINUATION SHEETS 1 to 6 for rating information**Standard:** AS/NZS 4777.2:2020+A1

IEC 62109-1:2010

IEC 62109-2:2011

**Issue Date:** 20/07/2022**Expiry Date:** 20/07/2027*Signed for and on behalf of TÜV Rheinland Australia Pty Ltd*

Grant Li



## CERTIFICATE OF SUITABILITY

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### CONTINUATION SHEET 1

#### DESCRIPTION OF EQUIPMENT

##### Ratings:

For all models:

Protection: Class I, IP65, PD 2 Internal; PD 3 External

Operating Temp.: -30°C to 60°C (>45°C derating)

Overvoltage Category (OVC): PV sides: II; Grid side: III

For models: STT-4KTL, STT-5KTL, STT-6KTL, STT-8KTL

PV input:

Vmax: 1100Vdc

VMPP voltage range: 200 - 950Vdc

MPPT Full Power Voltage Range: 200- 850, 240-850, 280-850,

370-850Vdc

Isc: 15/15A

Imax: 11/11A

AC output:

Rated Output voltage: 3/N/PE, 230/400Vac

Rated frequency: 50Hz

Max Output Apparent power: 4400, 5500, 6600, 8800VA

Rated Output Apparent power: 4000, 5000, 6000, 8000VA

Max Output Power: 4400, 5500, 6600, 8800W

Rated Output Power: 4000, 5000, 6000, 8000W

Max / rated Output current: 6.7, 8.4, 10, 13.3A

Power factor: -0.8 to +0.8

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### CONTINUATION SHEET 2

#### DESCRIPTION OF EQUIPMENT

##### Ratings:

For models: STT-10KTL, STT-12KTL, STT-15KTL,

PV input:

Vmax: 1100Vdc

VMPP Voltage Range : 200 - 950Vdc

MPPT Full Power Voltage Range: 470- 850, 560-850, 470-850Vdc

Isc: 15/15A, 15/15, 15/30A

Imax: 11/11, 11/11, 11/22A

##### AC output:

Rated Output voltage: 3/N/PE, 230/400Vac

Rated frequency: 50Hz,

Max Output Apparent power: 11000, 13200, 16500VA

Rated Output Apparent power: 10000, 12000, 15000VA

Max Output Power: 11000, 13200, 16500W

Rated Output Power: 10000, 12000, 15000W

Max / rated Output current: 16.5, 20, 25A

Power factor: -0.8 to +0.8

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### CONTINUATION SHEET 3

#### DESCRIPTION OF EQUIPMENT

##### Ratings:

For models: STT-17KTL, STT-20KTL, STT-25KTL

PV input:

Vmax: 1100Vdc

VMPP Voltage Range: 200 - 950Vdc

MPPT Full Power Voltage Range: 400- 850, 470-850, 585-850Vdc

Isc: 30/30A

Imax: 22/22A

##### AC output:

Rated Output voltage: 3/N/PE, 230/400Vac

Rated frequency: 50Hz,

Max Output Apparent power: 18700, 22000, 25000VA

Rated Output Apparent power: 17000, 20000, 25000VA

Max Output Power: 18700, 22000, 25000W

Rated Output Power: 17000, 20000, 25000W

Max / rated Output current: 28.4, 31.9, 39A

Power factor: -0.8 to +0.8

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CONTINUATION SHEET 4

### DESCRIPTION OF EQUIPMENT

#### Ratings:

For models: STT-4KTL-P, STT-5KTL-P, STT-6KTL-P, STT-8KTL-P

PV input:

Vmax: 1100Vdc

VMPP Voltage range : 160 - 1000Vdc

MPPT Full Power Voltage Range: 160- 850, 175-850, 210-850, 27

Isc: 20/20A

Imax: 15/15A

#### AC output:

Rated Output voltage: 3/N/PE, 230/400Vac

Rated frequency: 50Hz,

Max Output Apparent power: 4400, 5500, 6600, 8800VA

Rated Output Apparent power: 4000, 5000, 6000, 8000VA

Max Output Power: 4400, 5500, 6600, 8800W

Rated Output Power: 4000, 5000, 6000, 8000W

Max / rated Output current: 6.7, 8.4, 10, 13.3A

Power factor: -0.8 to +0.8

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### CONTINUATION SHEET 5

#### DESCRIPTION OF EQUIPMENT

##### Ratings:

For models: STT-10KTL-P, STT-12KTL-P, STT-15KTL-P,

PV input:

Vmax: 1100Vdc

VMPP Voltage Range: 160 - 1000Vdc

MPPT Full Power Voltage Range: 345- 850, 415-850, 345-850Vdc

Isc: 20/20A, 20/20, 20/40A

Imax: 15/15A, 15/15A, 15/30A

##### AC output:

Rated Output voltage: 3/N/PE, 230/400Vac

Rated frequency: 50Hz,

Max Output Apparent power: 11000, 13200, 16500VA

Rated Output Apparent power: 10000, 12000, 15000VA

Max Output Power: 11000, 13200, 16500W

Rated Output Power: 10000, 12000, 15000W

Max / rated Output current: 16.5, 20, 25A

Power factor: -0.8 to +0.8

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## CERTIFICATE OF SUITABILITY

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### CONTINUATION SHEET 6

#### DESCRIPTION OF EQUIPMENT

##### Ratings:

For models: STT-17KTL-P, STT-20KTL-P, STT-25KTL-P

PV input:

Vmax: 1100Vdc

VMPP Voltage Range: 160 - 1000Vdc

MPPT Full Power Voltage Range: 295- 850, 345-850, 430-850Vdc

Isc: 40/40A

Imax: 30/30A

##### AC output:

Rated Output voltage: 3/N/PE, 230/400Vac

Rated frequency: 50Hz,

Max Output Apparent power: 18700, 22000, 25000VA

Rated Output Apparent power: 17000, 20000, 25000VA

Max Output Power: 18700, 22000, 25000W

Rated Output Power: 17000, 20000, 25000W

Max / rated Output current: 28.4, 31.9, 39A

Power factor: -0.8 to +0.8

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