

Certificate Number: AZ 69026173

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CERTIFICATE OF SUITABILITY

Authorised marking: TUV-026173-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 / Ningbo Sunways Technologies Co., Ltd.

Model Number:

STS-3KTL , STS-3KTL-P , STS-3.6KTL , STS-3.6KTL-P ,
STS-4.2KTL , STS-4.2KTL-P , STS-4.6KTL , STS-4.6KTL-P ,
STS-5KTL , STS-5KTL-P , STS-6KTL , STS-6KTL-P

Ratings:

Refer to CONTINUATION SHEETS 1 to 3 for rating information

Standard:

AS/NZS 4777.2:2020+A1
IEC 62109-1:2010
IEC 62109-2:2011

Issue Date:

22/06/2022

Expiry Date:

22/06/2027

Signed for and on behalf of TÜV Rheinland Australia Pty Ltd

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Grant Li



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CONTINUATION SHEET 1

DESCRIPTION OF EQUIPMENT

For all models:

Protection: Class I; IP65; PD3

Operating temperature range: -30°C - 60°C (>45°C derating)

Over voltage category: DC input OVC II; AC output OVC III

For Models: STS-3KTL, STS-3KTL-P, STS-3.6KTL, STS-3.6KTL-P

PV input:

MPP voltage range: 100-550Vdc

Vmax: 600Vdc

I_{max}: 12.5/12.5A, 15/15A, 12.5/12.5A, 15/15A,

I_{sc}: 15/15A, 20/20A, 15/15A, 20/20A,

AC output:

Rated output voltage & frequency: 220/230Vac 50Hz

Rated output power: 3000W, 3000W, 3600W, 3600W

Rated output apparent power: 3000VA, 3000VA, 3600VA, 3600VA

Max. output apparent power: 3300VA, 3300VA, 3960VA, 3960VA

Rated output current: 15A, 15A, 18A, 18A

Max. output current: 15A, 15A, 18A, 18A

Power factor: 0.8 leading....0.8 lagging

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CONTINUATION SHEET 2

DESCRIPTION OF EQUIPMENT

Ratings:

For Models: STS-4.2KTL, STS-4.2KTL-P, STS-4.6KTL,
STS-4.6KTL-P

PV input:

MPP voltage range: 100-550Vdc

Vmax: 600Vdc

I_{max}: 12.5/12.5A, 15/15A, 12.5/12.5A, 15/15A,

I_{sc}: 15/15A, 20/20A, 15/15A, 20/20A

AC output:

Rated output voltage & frequency: 220/230Vac 50Hz

Rated output power: 4200W, 4200W, 4600W, 4600W

Rated output apparent power: 4200VA, 4200VA, 4600VA, 4600VA

Max. output apparent power 4600VA, 4600VA, 4600VA, 4600VA

Rated output current: 21A, 21A, 21A, 21A

Max. output current: 21A, 21A, 21A, 21A

Power factor: 0.8 leading....0.8 lagging

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CONTINUATION SHEET 3

DESCRIPTION OF EQUIPMENT

Ratings:

For Models: STS-5KTL, STS-5KTL-P, STS-6KTL, STS-6KTL-P

PV input:

MPP voltage range: 100-550Vdc

Vmax: 600Vdc

I_{max}: 12.5/12.5A, 15/15A, 12.5/12.5A, 15/15A,

I_{sc}: 15/15A, 20/20A, 15/15A, 20/20A

AC output:

Rated output voltage & frequency: 220/230Vac 50Hz

Rated output power: 5000W, 5000W, 6000W, 6000W

Rated output apparent power: 5000VA, 5000VA, 6000VA, 6000VA

Max. output apparent power 5500VA, 5500VA, 6600VA, 6600VA

Rated output current: 25A, 25A, 28.7A, 28.7A

Max. output current: 25A, 25A, 28.7A, 28.7A

Power factor: 0.8 leading....0.8 lagging

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