

Certificate Number: AZ 69025974

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CERTIFICATE OF SUITABILITY

Authorised marking: TUV025974E

This is to certify that TÜV Rheinland Australia Pty Ltd as accredited by JAS-ANZ in accordance with ISO/IEC 17065 has examined for compliance with certification standards, the electrical equipment described hereunder and authorises the certificate holder to affix the above mentioned mark to products of the same type; or the Regulatory Compliance Mark (RCM) provided that the requirements of all relevant parts of AS/NZS 4417 applicable to the article are fulfilled

CERTIFICATE HOLDER:

HUAWEI TECHNOLOGIES CO., LTD.
Administration Building,
Headquarters of Huawei Technologies
Co., Ltd. Bantian,
Longgang District, Shenzhen, 518129
Guangdong
P.R. China

DESCRIPTION OF EQUIPMENT

Declared class:

Non-declared

Product:

SOLAR INVERTER

Trade Name / Manufacturer:

HUAWEI

Model Number:

SUN2000-2KTL-L1 , SUN2000-3KTL-L1 , SUN2000-3.68KTL-L1 ,
SUN2000-4KTL-L1 , SUN2000-4.6TL-L1 , SUN2000-5KTL-L1 ,
SUN600-5KTL-L0 , SUN2000-6KTL-L1 , SUN600-6KTL-L0

Ratings:

Ratings details refer to CONTINUATION SHEET 1 - 9

Standard:

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

Issue Date:

06/05/2022

Expiry Date:

06/05/2027

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

Model: SUN2000-2KTL-L1
Vmax PV: 600Vdc
MPPT Voltage Range: 90-560Vdc
Max. Input Current: 12.5A/12.5A;
Max. Short Circuit Current: 18A/18A;
Overvoltage Category (OVC): II for PV
Output: Rated Voltage: 220/230/240V
Rated Frequency: 50/60Hz;
Rated Current: 9.1/8.7/8.3A
Max. Continuous Current: 10A
Rated Power: 2kW
Max. Apparent Power: 2kVA
Power Factor: 0.8 leading ~0.8lagging
Overvoltage Category (OVC): III for AC mains
Protective Class: Class I
Ingress Protection (IP): IP65
Pollution Degree (PD): PD3
Altitude[m]: 4000m
Operating Temperature [°C]: -25 to 60 (> 45 derating)
Type of Inverter: Non-isolated
Battery voltage range: 350-600Vd.c.
Battery maximum current: 15Ad.c.

Issue Date: 06/05/2022

Expiry Date: 06/05/2027

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CONTINUATION SHEET 2

DESCRIPTION OF EQUIPMENT

Model: SUN2000-3KTL-L1
Vmax PV: 600Vdc
MPPT Voltage Range: 90-560Vdc
Max. Input Current: 12.5A/12.5A;
Max. Short Circuit Current: 18A/18A;
Overvoltage Category (OVC): II for PV
Output: Rated Voltage: 220/230/240V
Rated Frequency: 50/60Hz;
Rated Current: 13.6/13.0/12.5A
Max. Continuous Current: 15A
Rated Power: 3kW
Max. Apparent Power: 3.3kVA
Power Factor: 0.8 leading ~0.8 lagging
Overvoltage Category (OVC): III for AC mains
Protective Class: Class I
Ingress Protection (IP): IP65
Pollution Degree (PD): PD3
Altitude[m]: 4000m
Operating Temperature [°C]: -25 to 60 (> 45 derating)
Type of Inverter: Non-isolated
Battery voltage range: 350-600Vd.c.
Battery maximum current: 15Ad.c

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CONTINUATION SHEET 3

DESCRIPTION OF EQUIPMENT

Model: SUN2000-3.68KTL-L1
Vmax PV: 600Vdc
MPPT Voltage Range: 90-560Vdc
Max. Input Current: 12.5A/12.5A;
Max. Short Circuit Current: 18A/18A;
Overvoltage Category (OVC): II for PV
Output: Rated Voltage: 230/240V
Rated Frequency: 50/60Hz;
Rated Current: 16.0/15.3A
Max. Continuous Current: 16A
Rated Power: 3.68kW
Max. Apparent Power: 3.68kVA
Power Factor: 0.8 leading ~0.8 lagging
Overvoltage Category (OVC): III for AC mains
Protective Class: Class I
Ingress Protection (IP): IP65
Pollution Degree (PD): PD3
Altitude[m]: 4000m
Operating Temperature [°C]: -25 to 60 (> 45 derating)
Type of Inverter: Non-isolated
Battery voltage range: 350-600Vd.c.
Battery maximum current: 15Ad.c.

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CONTINUATION SHEET 4

DESCRIPTION OF EQUIPMENT

Model: SUN2000-4KTL-L1
Vmax PV: 600Vdc
MPPT Voltage Range: 90-560Vdc
Max. Input Current: 12.5A/12.5A;
Max. Short Circuit Current: 18A/18A;
Overvoltage Category (OVC): II for PV
Output: Rated Voltage: 220/230/240V
Rated Frequency: 50/60Hz;
Rated Current: 18.2/17.4/16.7A
Max. Continuous Current: 20A
Rated Power: 4kW
Max. Apparent Power: 4.4kVA
Power Factor: 0.8 leading ~0.8 lagging
Overvoltage Category (OVC): III for AC mains
Protective Class: Class I
Ingress Protection (IP): IP65
Pollution Degree (PD): PD3
Altitude[m]: 4000m
Operating Temperature [°C]: -25 to 60 (> 45 derating)
Type of Inverter: Non-isolated
Battery voltage range: 350-600Vd.c.
Battery maximum current: 15Ad.c.

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CONTINUATION SHEET 5

DESCRIPTION OF EQUIPMENT

Model: SUN2000-4.6TL-L1
Vmax PV: 600Vdc
MPPT Voltage Range: 90-560Vdc
Max. Input Current: 12.5A/12.5A;
Max. Short Circuit Current: 18A/18A;
Overvoltage Category (OVC): II for PV
Output: Rated Voltage: 220/230/240V
Rated Frequency: 50/60Hz;
Rated Current: 20.9/20.0/19.2A
Max. Continuous Current: 23A
Rated Power: 4.6kW
Max. Apparent Power: 5kVA
Power Factor: 0.8 leading ~0.8 lagging
Overvoltage Category (OVC): III for AC mains
Protective Class: Class I
Ingress Protection (IP): IP65
Pollution Degree (PD): PD3
Altitude[m]: 4000m
Operating Temperature [°C]: -25 to 60 (> 45 derating)
Type of Inverter: Non-isolated
Battery voltage range: 350-600Vd.c.
Battery maximum current: 15Ad.c.

Issue Date: 06/05/2022

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CONTINUATION SHEET 6

DESCRIPTION OF EQUIPMENT

Model: SUN2000-5KTL-L1

Vmax PV: 600Vdc

MPPT Voltage Range: 90-560Vdc

Max. Input Current: 12.5A/12.5A;

Max. Short Circuit Current: 18A/18A;

Oversvoltage Category (OVC): II for PV

Output: Rated Voltage: 220/230/240V

Rated Frequency: 50/60Hz;

Rated Current: 22.7/21.7/20.8A

Max. Continuous Current: 25A

Rated Power: 5kW

Max. Apparent Power: 5kVA

Power Factor: 0.8 leading ~0.8 lagging

Oversvoltage Category (OVC): III for AC mains

Protective Class: Class I

Ingress Protection (IP): IP65

Pollution Degree (PD): PD3

Altitude[m]: 4000m

Operating Temperature [°C]: -25 to 60 (> 45 derating)

Type of Inverter: Non-isolated

Battery voltage range: 350-600Vd.c.

Battery maximum current: 15Ad.c.

Issue Date: 06/05/2022

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CONTINUATION SHEET 7

DESCRIPTION OF EQUIPMENT

Model: SUN2000-6KTL-L1
Vmax PV: 600Vdc
MPPT Voltage Range: 90-560Vdc
Max. Input Current: 12.5A/12.5A;
Max. Short Circuit Current: 18A/18A;
Overvoltage Category (OVC): II for PV
Output: Rated Voltage: 220/230/240V
Rated Frequency: 50/60Hz;
Rated Current: 27.3/26.1/25.0A
Max. Continuous Current: 27.3A
Rated Power: 6kW
Max. Apparent Power: 6kVA
Power Factor: 0.8 leading ~0.8 lagging
Overvoltage Category (OVC): III for AC mains
Protective Class: Class I
Ingress Protection (IP): IP65
Pollution Degree (PD): PD3
Altitude[m]: 4000m
Operating Temperature [°C]: -25 to 60 (> 45 derating)
Type of Inverter: Non-isolated
Battery voltage range: 350-600Vd.c.
Battery maximum current: 15Ad.c.

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CONTINUATION SHEET 8

DESCRIPTION OF EQUIPMENT

Model: SUN600-5KTL-L0
Vmax PV: 600Vdc
MPPT Voltage Range: 90-560Vdc
Max. Input Current: 12.5A/12.5A;
Max. Short Circuit Current: 18A/18A;
Overvoltage Category (OVC): II for PV
Output: Rated Voltage: 220/230/240V
Rated Frequency: 50/60Hz;
Rated Current: 22.7/21.7/20.8A
Max. Continuous Current: 25A
Rated Power: 5kW
Max. Apparent Power: 5kVA
Power Factor: 0.8 leading ~0.8 lagging
Overvoltage Category (OVC): III for AC mains
Protective Class: Class I
Ingress Protection (IP): IP65
Pollution Degree (PD): PD3
Altitude[m]: 4000m
Operating Temperature [°C]: -25 to 60 (> 45 derating)
Type of Inverter: Non-isolated

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CONTINUATION SHEET 9

DESCRIPTION OF EQUIPMENT

Model: SUN600-6KTL-L0
Vmax PV: 600Vdc
MPPT Voltage Range: 90-560Vdc
Max. Input Current: 12.5A/12.5A;
Max. Short Circuit Current: 18A/18A;
Overvoltage Category (OVC): II for PV
Output: Rated Voltage: 220/230/240V
Rated Frequency: 50/60Hz;
Rated Current: 27.3/26.1/25.0A
Max. Continuous Current: 27.3A
Rated Power: 6kW
Max. Apparent Power: 6kVA
Power Factor: 0.8 leading ~0.8 lagging
Overvoltage Category (OVC): III for AC mains
Protective Class: Class I
Ingress Protection (IP): IP65
Pollution Degree (PD): PD3
Altitude[m]: 4000m
Operating Temperature [°C]: -25 to 60 (> 45 derating)
Type of Inverter: Non-isolated

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