

**Certificate Number:** AZ 69026051

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## CERTIFICATE OF SUITABILITY

Authorised marking: TUV-026051-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:

Sunsynk Australia Pty Ltd  
230 Morrison Road, Midvale,  
Perth WA6056  
Australia

### DESCRIPTION OF EQUIPMENT

**Declared class:**

Non-declared

**Product:**

Hybrid Inverter

**Trade Name / Manufacturer:**

SUNSYNK

**Model Number:**

SUNSYNK-5K-SG04LP3 ; SUNSYNK-6K-SG04LP3 ;  
SUNSYNK-8K-SG04LP3 ; SUNSYNK-10K-SG04LP3 ;  
SUNSYNK-12K-SG04LP3

**Ratings:**

Rating details refer to CONTINUATION SHEET 1 - 2

**Standard:**

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

**Issue Date:**

13/05/2022

**Expiry Date:**

13/05/2027

*Signed for and on behalf of TÜV Rheinland Australia Pty Ltd*

A handwritten signature in blue ink, appearing to read 'Grant Li', positioned above a horizontal line.

Grant Li



Acc. No. Z2870404AA  
[www.jas-anz.org/register](http://www.jas-anz.org/register)

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CONTINUATION SHEET 1

DESCRIPTION OF EQUIPMENT

Ratings:

For all models: SUNSYNK-5K-SG04LP3, SUNSYNK-6K-SG04LP3,  
SUNSYNK-8K-SG04LP3, SUNSYNK-10K-SG04LP3, SUNSYNK-12K-SG04LP3

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

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

Overvoltage Category (OVC): Battery and PV sides: II;

Grid side: III

PV input:

Vmax: 800Vdc

VMPP : 200 - 650Vdc

Isc: 17+17; 17+17; 17+17; 34+17; 34+17A

Imax: 13+13; 13+13; 13+13; 26+13; 26+13A

Battery input:

Type: Lead-acid or Li-ion

Rated voltage: 48Vdc

Voltage range: 40-60Vdc

Max charging current: 120; 150; 190; 210; 240A

Max discharging current: 120; 150; 190; 210; 240A

Issue Date: 13/05/2022

Expiry Date: 13/05/2027

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CONTINUATION SHEET 2

DESCRIPTION OF EQUIPMENT

Ratings:

AC output:

Rated Output voltage: 3L/N/PE, 230/400, 240/415V

Rated frequency: 50Hz,

Max / Rated Output Apparent power: 5kV; 6kV; 8kV; 10kV; 12kV

Max / rated Output Power: 5kW; 6kW; 8kW; 10kW; 12kW

Max / rated Output current: 10.9A; 13A; 17.4A; 21.7A; 26.1A

Power factor: 0.8 leading to 0.8 lagging

Issue Date: 13/05/2022

Expiry Date: 13/05/2027

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