

**Certificate Number:** AZ 69027332

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## CERTIFICATE OF SUITABILITY

**Authorised marking:** TUV-027332-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-12K-SG01LP1 , SUNSYNK-14K-SG01LP1 ,  
SUNSYNK-16K-SG01LP1

**Ratings:**

Ratings refer to Continuation Sheets 1 to 2 for details

**Standard:**

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

**Issue Date:**

31/07/2023

**Expiry Date:**

31/07/2028

*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



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## CERTIFICATE OF SUITABILITY

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CONTINUATION SHEET 1

Description of Equipment

Ratings:

For all models:

Protection: Class I, IP65, PD2 (Inside), PD3 (Outside)

Operating Temp.: -40°C to 60°C (>45°C derating),

Overvoltage Category (OVC): DC input: II; AC Output: III

PV input:

VDC max: 500 Vd.c.,

VDC MPPT: 150 – 425 Vd.c.,

IDC max: 26+26+26A,

Isc PV: 44+44+44A

Battery input:

maximum voltage: 60Vdc

Battery voltage range: 40 – 60Vdc

Max charging / discharging current: 220, 250, 290A

Battery type: Lead-acid or Li-ion

Issue Date: 31/07/2023

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## CERTIFICATE OF SUITABILITY

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CONTINUATION SHEET 2

Description of Equipment

AC Output:

Output voltage: 230/240V, L/N/PE

Output frequency: 50/60Hz,

Rated Output Power: 12000W, 14000W, 16000W

Max / Rated Output Apparent Power: 12000VA, 14000VA, 16000VA

Max / Rated output current: 52.2A, 60.9A, 69.6A

Power factor: 0.8 leading to 0.8 lagging,

Load Data:

Rated output voltage: 230/240V, L/N/PE

Rated output frequency: 50Hz,

Rated output Power: 12000W, 14000W, 16000W

Rated output current: 52.2A, 60.9A, 69.6A

Issue Date: 31/07/2023

Expiry Date: 31/07/2028

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