

**Certificate Number:** AZ 69027431

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## CERTIFICATE OF SUITABILITY

**Authorised marking:** TUV-027431-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-29.9K-SG01HP3-AU-BM3 , SUNSYNK-30K-SG01HP3-  
SUNSYNK-35K-SG01HP3-AU-BM3 , SUNSYNK-40K-SG01HP3-A  
SUNSYNK-50K-SG01HP3-AU-BM4

**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:**

05/09/2023

**Expiry Date:**

08/02/2028

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

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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: 1000 Vd.c.,

VDC MPPT: 150 – 850 Vd.c.,

IDC max: 3x36A, 3x36A, 3x36A, 4x36A, 4x36A

Isc PV: 3x55A, 3x55A, 3x55A, 4x55A, 4x55A

Battery input:

Battery voltage range: 160 – 800Vdc

Max charging / discharging current: 2 x 50A

Battery type: Li-ion

Issue Date: 05/09/2023

Expiry Date: 08/02/2028

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

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## CERTIFICATE OF SUITABILITY

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CONTINUATION SHEET 2

Description of Equipment

AC Output:

Output voltage: 3L/N/PE 230/400Vac

Output frequency: 50/60Hz,

Max / Rated Output Power: 29900W, 30000W, 35000W, 40000W,  
50000W

Max / Rated Output Apparent Power: 29900VA, 30000VA,  
35000VA ,40000VA, 50000VA

Max / Rated output current: 43.4A, 43.5A, 50.8A, 58.0A,  
72.5A

Power factor: 0.8 leading to 0.8 lagging,

Load Port:

Rated input voltage: 3L/N/PE 230/400Vac

Rated input frequency: 50/60Hz,

Max output apparent power: 29900VA, 30000VA, 35000VA,  
40000VA ,50000VA

Max output current: 60A, 60A, 60A, 70A, 83.3A

Issue Date: 05/09/2023

Expiry Date: 08/02/2028

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