

**Certificate Number:** AZ 69025981

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## CERTIFICATE OF SUITABILITY

Authorised marking: TUV025981E

*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:

NingBo Deye Inverter Technology  
Co., Ltd.  
No. 26 South YongJiang Road, Daqi,  
Beilun NingBo,  
315800 Zhejiang  
P.R. China

### DESCRIPTION OF EQUIPMENT

**Declared class:** Non-declared  
**Product:** Hybrid Inverter  
**Trade Name / Manufacturer:** DEYE  
**Model Number:** SUN-3K-SG04LP1-AU , SUN-3K-SG04LP1-24-AU ,  
SUN-3.6K-SG04LP1-AU , SUN-5K-SG04LP1-AU ,  
SUN-6K-SG04LP1-AU ,

**Ratings:** Ratings refer to CONTINUATION SHEET 1-2 for details  
**Standard:** AS/NZS 4777.2:2020+A1  
IEC 62109-1:2010  
IEC 62109-2:2011

**Issue Date:** 26/04/2022  
**Expiry Date:** 26/04/2027

*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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## CERTIFICATE OF SUITABILITY

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CONTINUATION SHEET 1

DESCRIPTION OF EQUIPMENT

Ratings:

For model SUN-3K-SG04LP1-AU; SUN-3K-SG04LP1-24-AU;  
SUN-3.6K-SG04LP1-AU; SUN-5K-SG04LP1-AU; SUN-6K-SG04LP1-AU:

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: 500Vdc

VMPP: 150 - 425Vdc

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

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

Battery input:

Type: Lead-acid or Li-ion

Voltage range: 40-60Vdc; 20-30Vdc; 40-60Vdc; 40-60Vdc;  
40-60Vdc

Max charging current: 70A; 140A; 90A; 120A; 135A

Max discharging current: 70A; 140A; 90A; 120A; 135A

Issue Date: 26/04/2022

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## CERTIFICATE OF SUITABILITY

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CONTINUATION SHEET 2

DESCRIPTION OF EQUIPMENT

Ratings:

AC output:

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

Rated frequency: 50Hz,

Max / Rated Output Apparent power: 3kVA; 3kVA; 3.6kVA; 5kVA;  
6kVA

Max / rated Output Power: 3kW; 3kW; 3.6kW; 5kW; 6kW

Max / Rated Output current: 13A; 13A; 15.7A; 21.7A; 26.1A

Power factor: 0.8 leading to 0.8 lagging

Stand Alone mode:

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

Rated frequency: 50Hz,

Max / Rated Output Apparent power: 3kVA; 3kVA; 3.6kVA; 5kVA;  
6kVA

Max / Rated Output current: 13A; 13A; 15.7A; 21.7A; 26.1A

Issue Date: 26/04/2022

Expiry Date: 26/04/2027

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

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CONTINUATION SHEET 3

(Modification 1)

Changing the operating ambient temperature range from  
-45°C to 60°C (>45°C derating) to  
-40°C to 60°C (>45°C derating).

Issue Date: 25/05/2022

Expiry Date: 26/04/2027

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

**TÜVRheinland**

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Grant Li



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CONTINUATION SHEET 4

(Modification 2)

Change the ratings of PV Input Short-Circuit Current I<sub>sc</sub>  
SUN-3K-SG04LP1-AU;SUN-3K-SG04LP1-24-AU;SUN-3.6K-SG04LP1-AU;  
SUN-5K-SG04LP1-AU;SUN-6K-SG04LP1-AU from:  
17A; 17A; 17+17A; 17+17A; 17+17A to  
19.5A; 19.5A; 19.5+19.5A; 19.5+19.5A; 19.5+19.5A.

Issue Date: 29/09/2022

Expiry Date: 26/04/2027

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

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Grant Li



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