

CERTIFICATE OF SUITABILITY

Authorised marking: TUV-029023-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 complied with the standard(s) listed below in accordance with the scheme herein 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.

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

DESCRIPTION OF ELECTRICAL EQUIPMENT

Declared class: Non-declared
Product: Hybrid Inverter
Trade Name / Manufacturer: Deye
Model Number: SUN-3K-SG06LP1-AU-BM1 , SUN-3K-SG06LP1-24-AU-BM1 ,
SUN-3.6K-SG06LP1-AU-BM2 , SUN-4K-SG06LP1-AU-BM2 ,
SUN-4.6K-SG06LP1-AU-BM2 , SUN-5K-SG06LP1-AU-BM2 ,
SUN-6K-SG06LP1-AU-BM2
Ratings: Ratings refer to Continuation Sheets 1-3 for details
Condition(s): N/A
Standard: AS/NZS 4777.2:2020 + Amd 1:2021 + Amd 2:2024
IEC 62109-1:2010
IEC 62109-2:2011

Issue Date: 16-06-2026
Expiry Date: 16-06-2031

Signed for and on behalf of TÜV Rheinland Australia Pty Ltd



Rafeeqe Mohamed

CERTIFICATE OF SUITABILITY

CONTINUATION SHEET 1

Description of Equipment

General:

For all models:

Class of equipment: Class I

Protection: IP65; PD 3

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

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

Inverter Topology: Non-isolated

Software version: 4389

For models of SUN-3K-SG06LP1-24-AU-BM1; SUN-3K-SG06LP1-AU-BM1

PV Side:

Max. Input Voltage: 500Vdc

MPPT Voltage Range: 150-425Vdc

MPPT Full Power Voltage Range: 300-425Vdc

Max. Short circuit Current: 27A

Max. Input Current: 18A

Backfeed Current: 0A

Battery Side:

Battery Type: Lead-acid or Lithium-ion

Input Voltage Range: 20-30Vdc; 40-60Vdc

Max. Battery charge/discharge Current: 140A; 70A

Issue Date: 16-06-2026

Expiry Date: 16-06-2031

Signed for and on behalf of TÜV Rheinland Australia Pty Ltd



Rafeeqe Mohamed



CERTIFICATE OF SUITABILITY

CONTINUATION SHEET 2

AC Input and Output Side(On-grid):
Nominal AC Voltage: L/N/PE, 230/240Vac
Rated Frequency: 50Hz
Nominal AC input/output power: 3kW; 3kW
Nominal AC input/output current: 13.1A; 13.1A
Max. AC input/output apparent power: 3kVA; 3kVA
Max. AC input/output current: 13.1A; 13.1A
Max. Continuous AC bypass current: 50Aac
Power Factor: 0.8 leading – 0.8 lagging
AC Output Side(Off-grid):
Nominal AC Voltage: L/N/PE, 230/240Vac
Rated Frequency: 50Hz
Max. AC output power: 3kW; 3kW
Max. AC output current: 13.1A; 13.1A
GEN Side:
Rated Input Voltage: L/N/PE, 230/240Vac
Rated Frequency: 50Hz
Rated Input Current: 35A

Issue Date: 16-06-2026

Expiry Date: 16-06-2031

Signed for and on behalf of TÜV Rheinland Australia Pty Ltd



Rafeeqe Mohamed

CERTIFICATE OF SUITABILITY

CONTINUATION SHEET 3

For models of SUN-3.6K-SG06LP1-AU-BM2, SUN-4K-SG06LP1-AU-BM2,
SUN-4.6K-SG06LP1-AU-BM2, SUN-5K-SG06LP1-AU-BM2, SUN-6K-SG06LP1-AU-BM2

PV Side:

Max. Input Voltage: 500Vdc

MPPT Voltage Range: 150-425Vdc

MPPT Full Power Voltage Range: 300-425Vdc

Max. Short circuit Current: 27+27A

Max. Input Current: 18+18A

Backfeed Current: 0A

Battery Side:

Battery Type: Lead-acid or Lithium-ion

Input Voltage Range: 40-60Vdc

Max. Battery charge/discharge Current: 90A; 95A; 120A; 120A; 135A

AC Input and Output Side(On-grid):

Nominal AC Voltage: L/N/PE, 230/240Vac

Rated Frequency: 50Hz

Nominal AC input/output power: 3.6kW; 4kW; 4.6kW; 5kW; 6kW

Nominal AC input/output current: 15.7A; 17.4A; 20A; 21.8A; 26.1A

Max. AC input/output apparent power: 3.6kVA; 4kVA; 4.6kVA; 5kVA; 6kVA

Max. AC input/output current: 15.7A; 17.4A; 20A; 21.8A; 26.1A

Max. Continuous AC bypass current: 50Aac

Power Factor: 0.8 leading – 0.8 lagging

AC Output Side(Off-grid):

Nominal AC Voltage: L/N/PE, 230/240Vac

Rated Frequency: 50Hz

Max. AC output power: 3.6kW; 4kW; 4.6kW; 5kW; 6kW

Max. AC output current: 15.7A; 17.4A; 20A; 21.8A; 26.1A

GEN Side:

Rated Input Voltage: L/N/PE, 230/240Vac

Rated Frequency: 50Hz

Rated Input Current: 35A

Issue Date: 16-06-2026

Expiry Date: 16-06-2031

Signed for and on behalf of TÜV Rheinland Australia Pty Ltd



Rafeeqe Mohamed



www.jas-anz.org/register



TÜVRheinland®
Precisely Right.