

CERTIFICATE OF SUITABILITY

Authorised marking: TUV-029083-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-7K-SG06LP1-AU-BM3 , SUN-7.6K-SG06LP1-AU-BM3
SUN-8K-SG06LP1-AU-BM3 , SUN-10K-SG06LP1-AU-BM3
SUN-12K-SG06LP1-AU-BM3
Ratings: Ratings refer to Continuation Sheet 1-3 for details
Condition(s): N/A
Standard: AS/NZS 4777.2:2020 + Amd 1:2021 + Amd 2:2024
IEC 62109-2:2011
IEC 62109-1:2010

Issue Date: 26-06-2026
Expiry Date: 26-06-2031

Signed for and on behalf of TÜV Rheinland Australia Pty Ltd



Rafeeqe Mohamed

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CONTINUATION SHEET 1

Description of Equipment

General:

For all models:

Protection: Class I; IP65; PD3(External), PD2(Internal)

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

Overvoltage Category (OVC): AC: III; PV sides: II; Battery side: II

Inverter Topology: Non-isolated

Software version: A389

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CONTINUATION SHEET 2

For models of SUN-7K-SG06LP1-AU-BM3; SUN-7.6K-SG06LP1-AU-BM3;
SUN-8K-SG06LP1-AU-BM3; SUN-10K-SG06LP1-AU-BM3

PV Side:

Max. Input Voltage: 500Vdc

MPPT Voltage Range: 150-425Vdc

Max. Short circuit Current: 54+27+27A

Max. Input Current: 36+18+18A

Backfeed Current: 0A

Battery Side:

Battery Type: Lead-acid or Lithium-ion

Input Voltage Range: 40-60Vdc

Max. Battery charge/discharge Current: 175; 185; 185; 220A

AC Input and Output Side(On-grid):

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

Rated Frequency: 50Hz

Rated AC input/output power: 7; 7.6; 8; 9.999kW

Rated/Max AC input/output current: 30.5; 33.1; 34.8; 43.5A

Rated/Max. AC input/output apparent power: 7; 7.6; 8; 9.999kVA

Max. Continuous AC bypass current: 65Aac

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: 7; 7.6; 8; 9.999kW

Max. AC output current: 30.5; 33.1; 34.8; 43.5A

GEN Side:

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

Rated Frequency: 50Hz

Rated Input Current: 55A

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CONTINUATION SHEET 3

For models of SUN-12K-SG06LP1-AU-BM3

PV Side:

Max. Input Voltage: 500Vdc

MPPT Voltage Range: 150-425Vdc

Max. Short circuit Current: 54+54+27A

Max. Input Current: 36+36+18A

Backfeed Current: 0A

Battery Side:

Battery Type: Lead-acid or Lithium-ion

Input Voltage Range: 40-60Vdc

Max. Battery charge/discharge Current: 250A

AC Input and Output Side(On-grid):

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

Rated Frequency: 50Hz

Rated AC input/output power: 12kW

Rated AC input/output current: 52.2A

Rated/Max. AC input/output apparent power: 12kVA

Max. AC input/output current: 52.2A

Max. Continuous AC bypass current: 70Aac

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: 12kW

Max. AC output current: 52.2A

GEN Side:

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

Rated Frequency: 50Hz

Rated Input Current: 55A

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