

CERTIFICATE OF SUITABILITY

Authorised marking: TUV-029170-E

TÜV Rheinland Australia Pty Ltd "Electrical Product Safety Certification (EPSC) Scheme", accredited by JASANZ in accordance with ISO/IEC 17065, has issued this certificate under JASANZ 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-SG06LP3-AU-BM2 , SUN-4K-SG06LP3-AU-BM2
SUN-5K-SG06LP3-AU-BM2 , SUN-6K-SG06LP3-AU-BM2
SUN-8K-SG06LP3-AU-BM2
Ratings: Ratings refer to Continuation Sheet 1-2 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: 12-08-2026
Expiry Date: 12-08-2031

Signed for and on behalf of TÜV Rheinland Australia Pty Ltd



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CONTINUATION SHEET 1

Description of Equipment

General:

For all models:

Protection: Class I; IP65; PD3

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

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

Inverter Topology: Non-isolated

Software version: 2207-1175-1809

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CONTINUATION SHEET 2

For models of SUN-3K-SG06LP3-AU-BM2; SUN-4K-SG06LP3-AU-BM2;
SUN-5K-SG06LP3-AU-BM2; SUN-6K-SG06LP3-AU-BM2; SUN-8K-SG06LP3-AU-BM2

PV Side:

Max. Input Voltage: 800Vdc
MPPT Voltage Range: 200-650Vdc
Max. Short circuit Current: 30+30A
Max. Input Current: 20+20A

Battery Side:

Battery Type: Lead-acid or Lithium-ion
Input Voltage Range: 40-60Vdc
Max. Battery charge/discharge Current: 70; 95; 120; 135; 190A
AC Input and Output Side (On-grid):
Nominal AC Voltage: 3L+N+PE 230/400, 240/415Vac
Rated Frequency: 50Hz
Rated AC input/output power: 3; 4; 5; 6; 8kW
Rated/Max AC input/output current: 4.4; 5.8; 7.3; 8.7; 11.6A
Rated/Max. AC input/output apparent power: 3; 4; 5; 6; 8kVA
Max. Continuous AC bypass current: 45Aac
Power Factor: 0.8 leading - 0.8 lagging
AC Output Side (Off-grid):
Nominal AC Voltage: 3L+N+PE 230/400, 240/415Vac
Rated Frequency: 50Hz
Rated AC output power: 3; 4; 5; 6; 8kW
Rated/Max. AC output apparent power: 3; 4; 5; 6; 8kVA
Rated/Max. AC output current: 4.4; 5.8; 7.3; 8.7; 11.6A
Power Factor: 0.8 leading - 0.8 lagging

GEN Side:

Rated Input Voltage: 3L+N+PE 230/400, 240/415Vac
Rated Frequency: 50Hz
Max. Input Current: 24A

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