

CERTIFICATE OF SUITABILITY

Authorised marking: TUV-029171-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-100K-SG02HP3-AU-GM8 , SUN-100K-SG02HP3-AU-GM10 ,
SUN-125K-SG02HP3-AU-GM10
Ratings: Ratings refer to Continuation Sheets 1 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: 14-08-2026
Expiry Date: 14-08-2031

Signed for and on behalf of TÜV Rheinland Australia Pty Ltd



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CONTINUATION SHEET 1

Description of Equipment

Ratings:

For models SUN-100K-SG02HP3-AU-GM8, SUN-100K-SG02HP3-AU-GM10,
SUN-125K-SG02HP3-AU-GM10

Protection: Class I, IP65, PD 3

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

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

Inverter topology: Non-Isolated

PV input side:

V_{max}: 1000Vd.c.

MPPT Voltage Range: 150 - 850Vd.c.

Max. input current: 42+42+42+42+42+42+42+42,

42+42+42+42+42+42+42+42,

42+42+42+42+42+42+42+42Ad.c.

Max. short circuit current: 63+63+63+63+63+63+63+63,

63+63+63+63+63+63+63+63,

63+63+63+63+63+63+63+63Ad.c.

Battery side:

Battery Voltage Range: 160-1000Vd.c.

Max. Charge/Discharge Current: 100+100Ad.c.

Battery type: Lithium-ion

AC Input/Output side:

Rated Input/Output Voltage: 3L/N/PE , 230/400, 240/415 Va.c.

Rated frequency: 50Hz

Rated Input/Output Power: 100, 100, 125kW

Rated Input/Output Apparent power: 100, 100, 125kVA

Max. Input/Output Apparent power: 100, 100, 125kVA

Rated Input/Output Current: 145.0, 145.0, 181.2Aa.c.

Max. Input/Output Current: 145.0, 145.0, 181.2Aa.c.

Power factor: 0.8 Leading - 0.8 Lagging

GEN port:

Rated Input Voltage: 3L/N/PE , 230/400, 240/415 Va.c.

Rated Input Frequency: 50Hz

Rated Input Current: 250, 250, 250Aa.c.

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