

Certificate Number: AZ 69026887

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CERTIFICATE OF SUITABILITY

Authorised marking: TUV-026887-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 found to be electrically safe at the time of certification 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. The certificate holder may affix the above mentioned authorised marking on the product.

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-29.9K-SG01HP3-AU-BM3 , SUN-30K-SG01HP3-AU-BM3 ,
SUN-35K-SG01HP3-AU-BM3 , SUN-40K-SG01HP3-AU-BM4 ,
SUN-50K-SG01HP3-AU-BM4

Ratings:

Rating details refer to CONTINUATION SHEET 1 - 2

Standard:

AS/NZS 4777.2:2020+A1
IEC 62109-1:2010
IEC 62109-2:2011

Issue Date:

08/02/2023

Expiry Date:

08/02/2028

Signed for and on behalf of TÜV Rheinland Australia Pty Ltd



Grant Li



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CONTINUATION SHEET 1

DESCRIPTION OF EQUIPMENT

Ratings:

For all models:

Protection: Class I, IP65, PD 2 Internal; PD 3 External

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

Overvoltage Category (OVC): Battery and PV sides: II;

Grid side: III

PV input:

Vmax: 1000Vdc

VMPP : 150 – 850Vdc

Isc: 3 x 55A, 3 x 55A, 3 x 55A, 4 x 55A, 4 x 55A,

Imax: 3 x 36A, 3 x 36A, 3 x 36A, 4 x 36A, 4 x 36A

Battery input:

Type: Li-ion

Voltage range: 160 – 800Vdc

Max charging current: 2 x 50A

Max discharging current: 2 x 50A

Issue Date: 08/02/2023

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A handwritten signature in blue ink, appearing to read "Grant Li".

Grant Li



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CONTINUATION SHEET 2

DESCRIPTION OF EQUIPMENT

Ratings:

AC output:

Rated Output voltage: 3L/N/PE,230/400Vac

Rated frequency: 50/60Hz,

Max / Rated Output Apparent power: 29.9kVA, 30kVA,
35kVA, 40kVA, 50kVA

Max / Rated Output Power: 29.9kW, 30kW, 35kW, 40kW, 50kW

Max / Rated Output current: 43.4A, 43.5A, 50.8A, 58A, 72.5A

Power factor: 0.8 leading to 0.8 lagging


TÜVRheinland®

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Grant Li



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