

Certificate Number: AZ 69027029

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CERTIFICATE OF SUITABILITY

Authorised marking: TUV-027029-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: 1) SUN-12K-SG01LP1-AU-AM3 , 2) SUN-14K-SG01LP1-AU-AM3
3) SUN-16K-SG01LP1-AU-AM3

Ratings: Ratings refer to CONTINUATION SHEET 1-2 for details

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

Issue Date: 05/04/2023

Expiry Date: 05/04/2028

Signed for and on behalf of TÜV Rheinland Australia Pty Ltd

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Grant Li



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CONTINUATION SHEET 1

Description of Equipment

Ratings:

For all models:

Protection: Class I, IP65, PD2 (Inside), PD3 (Outside)

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

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

PV input:

VDC max: 500 Vd.c.,

VDC MPPT: 150 – 425 Vd.c.,

IDC max: 26+26+26A,

Isc PV: 44+44+44A

Battery input:

maximum voltage: 60Vdc

Battery voltage range: 40 – 60Vdc

Max charging / discharging current: 1) 220A, 2) 250A, 3) 290A

Battery type: Lead-acid or Li-ion

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CONTINUATION SHEET 2

Description of Equipment

Output:

Output voltage: 230/240V, L/N/PE

Output frequency: 50/60Hz,

Rated Output Power: 1) 12kW, 2) 14kW, 3) 16kW

Max / Rated Output Apparent Power: 1) 12kVA, 2) 14kVA, 3) 16kVA

Max / Rated output current: 1) 52.2A, 2) 60.9A, 3) 69.6A

Power factor: 0.8 leading to 0.8 lagging,

GEN port:

Rated input voltage: 230/240V, L/N/PE

Rated input frequency: 50/60Hz,

Rated input Power: 1) 12kW, 2) 14kW, 3) 16kW

Rated input current: 1) 52.2A, 2) 60.9A, 3) 69.6A

Issue Date: 05/04/2023

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