

Certificate Number: AZ 69027099

Page: 0001



CERTIFICATE OF SUITABILITY

Authorised marking: TUV-027099-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-5K-SG01HP3-AU-AM2 , SUN-6K-SG01HP3-AU-AM2 ,
SUN-8K-SG01HP3-AU-AM2 , SUN-10K-SG01HP3-AU-AM2 ,
SUN-12K-SG01HP3-AU-AM2 , SUN-15K-SG01HP3-AU-AM2 ,
SUN-20K-SG01HP3-AU-AM2 , SUN-25K-SG01HP3-AU-AM2 ,
GB-S5K-AU , GB-S6K-AU , GB-S8K-AU , GB-S10K-AU ,
GB-S12K-AU , GB-S15K-AU , GB-S20K-AU , GB-S25K-AU

Ratings: Ratings refer to Continuation Sheets 1 to 5 for details

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

Issue Date: 04/05/2023

Expiry Date: 04/05/2028

Signed for and on behalf of TÜV Rheinland Australia Pty Ltd

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

Grant Li



www.jas-anz.org/register

Certificate Number: AZ 69027099

Page: 0002



CERTIFICATE OF SUITABILITY

Authorised marking: TUV-027099-E

CONTINUATION SHEET 1

Description of Equipment

Ratings:

For all models:

Protection: Class I, IP65, PD 3

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

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

Grid side: III

For models: SUN-xK-SG01HP3-AU-AM2, x=5, 6, 8, 10 &

GB-S5K-AU, GB-S6K-AU, GB-S8K-AU, GB-S10K-AU,

PV input:

Vmax: 1000Vdc

VMPP : 150 - 850Vdc

Isc: 30+30A

Imax: 20+20A

Battery input:

Type: Li-ion

Max Voltage: 700Vdc

Voltage range: 160-700Vdc

Max charging current: 37A

Max discharging current: 37A

Issue Date: 04/05/2023

Expiry Date: 04/05/2028

Signed for and on behalf of TÜV Rheinland Australia Pty Ltd

A handwritten signature in blue ink, appearing to read 'Grant Li', positioned above a horizontal line.

Grant Li



www.jas-anz.org/register

Certificate Number: AZ 69027099

Page: 0003



CERTIFICATE OF SUITABILITY

Authorised marking: TUV-027099-E

CONTINUATION SHEET 2

Description of Equipment

AC output:

Rated Output voltage (Vac) : 3L/N/PE,230/400,240/415

Rated frequency: 50Hz,

Max / Rated Output Apparent power(kVA): 5, 6, 8, 10

Max / rated Output Power(kW): 5, 6, 8, 10

Max / Rated Output current(A): 7.3, 8.7, 11.6, 14.5

Power factor: 0.8 leading to 0.8 lagging

GEN port:

Rated Output voltage(Vac): 3L/N/PE,230/400,240/415

Rated frequency: 50Hz,

Rated Input Apparent power(kVA): 5, 6, 8, 10

Rated Input current(A): 7.3, 8.7, 11.6, 14.5

For models: SUN-12K-SG01HP3-AU-AM2, SUN-15K-SG01HP3-AU-AM2 & GB-S12K-AU, GB-S15K-AU

PV input:

Vmax: 1000Vdc

VMPP : 150 - 850Vdc

Isc: 39+30A

Imax: 26+20A

Issue Date: 04/05/2023

Expiry Date: 04/05/2028

Signed for and on behalf of TÜV Rheinland Australia Pty Ltd

A handwritten signature in blue ink, appearing to read 'Grant Li', positioned above a horizontal line.

Grant Li



www.jas-anz.org/register

Certificate Number: AZ 69027099

Page: 0004



CERTIFICATE OF SUITABILITY

Authorised marking: TUV-027099-E

CONTINUATION SHEET 3

Description of Equipment

Battery input:

Type: Li-ion

Max Voltage: 700Vdc

Voltage range: 160-700Vdc

Max charging current: 37A

Max discharging current: 37A

AC output:

Rated Output voltage(Vac): 3L/N/PE,230/400,240/415

Rated frequency: 50Hz,

Max / Rated Output Apparent power(kVA): 12, 15

Max / rated Output Power(kW): 12, 15

Max / Rated Output current(A): 17.4, 21.8

Power factor: 0.8 leading to 0.8 lagging

GEN port:

Rated Output voltage(Vac): 3L/N/PE,230/400,240/415

Rated frequency: 50Hz,

Rated Input Apparent power(kVA): 12, 15

Rated Input current(A): 17.4, 21.8

For models: SUN-20K-SG01HP3-AU-AM2, SUN-25K-SG01HP3-AU-AM2 & GB-S20K-AU, GB-S25K-AU

Issue Date: 04/05/2023

Expiry Date: 04/05/2028

Signed for and on behalf of TÜV Rheinland Australia Pty Ltd

A handwritten signature in blue ink, appearing to read 'Grant Li', positioned above a horizontal line.

Grant Li



www.jas-anz.org/register

Certificate Number: AZ 69027099

Page: 0005



CERTIFICATE OF SUITABILITY

Authorised marking: TUV-027099-E

CONTINUATION SHEET 4

Description of Equipment

PV input:

Vmax: 1000Vdc

VMPP : 150 - 850Vdc

Isc: 39+39A

Imax: 26+26A

Battery input:

Type: Li-ion

Max Voltage: 700Vdc

Voltage range: 160-700Vdc

Max charging current: 37A, 50A

Max discharging current: 37A, 50A

AC output:

Rated Output voltage(Vac): 3L/N/PE,230/400,240/415

Rated frequency: 50Hz,

Max / Rated Output Apparent power(kVA): 20, 25

Max / rated Output Power(kW): 20, 25

Max / Rated Output current(A): 29.0, 36.3

Power factor: 0.8 leading to 0.8 lagging

Issue Date: 04/05/2023

Expiry Date: 04/05/2028

Signed for and on behalf of TÜV Rheinland Australia Pty Ltd

A handwritten signature in blue ink, appearing to read 'Grant Li', positioned above a horizontal line.

Grant Li



www.jas-anz.org/register

Certificate Number: AZ 69027099

Page: 0006



CERTIFICATE OF SUITABILITY

Authorised marking: TUV-027099-E

CONTINUATION SHEET 5

Description of Equipment

GEN port:

Rated Output voltage(Vac): 3L/N/PE,230/400,240/415

Rated frequency : 50Hz,

Rated Input Apparent power(kVA): 20, 25

Rated Input current(A): 29.0, 36.3

Issue Date: 04/05/2023

Expiry Date: 04/05/2028

Signed for and on behalf of TÜV Rheinland Australia Pty Ltd

TÜVRheinland

A handwritten signature in blue ink, appearing to read 'Grant Li', positioned above a horizontal line.

Grant Li



www.jas-anz.org/register