

CERTIFICATE OF SUITABILITY

Authorised marking: TUV-029220-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: Stackable Energy Storage System
Trade Name / Manufacturer: Deye
Model Number: For Model Details refer to continuation sheet 1 - 6
Ratings: Ratings refer to Continuation Sheet 1-6 for details
Condition(s): N/A
Standard: AS/NZS 4777.2:2020 + Amd 1:2021 + Amd 2:2024
AS/NZS 62109.1:2026
AS/NZS 62109.2:2026
AS IEC 62477.1:2024

Issue Date: 15-09-2026
Expiry Date: 12-02-2028

Signed for and on behalf of TÜV Rheinland Australia Pty Ltd



Hellieh Basirnia

CERTIFICATE OF SUITABILITY

CONTINUATION SHEET 1

Description of Equipment

General:

For all models:

Protection: Class I; IP66; PD3(External), PD2(Internal)

Operating Temp: -20°C to +55°C (>45°C derating)

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

Inverter Topology: Non-isolated(solar), Isolated(battery)

Software version: A389

Battery:

Battery Type: LiFePO4

Battery Voltage: 51.2Vd.c.(41.6V-58.4V)

Nominal Energy:

16kWh for SUN-xK-SG06LP1-AU-TM3-16;

32kWh for SUN-xK-SG06LP1-AU-TM3-32;

48kWh for SUN-xK-SG06LP1-AU-TM3-48;

64kWh for SUN-xK-SG06LP1-AU-TM3-64;

80kWh for SUN-xK-SG06LP1-AU-TM3-80;

96kWh for SUN-xK-SG06LP1-AU-TM3-96

(x=7,7.5,8,10,12)

GEN Side:

Rated Input Voltage: L/N/PE, 230/240Vac

Rated Frequency: 50Hz

Rated Input Current: 55A

Issue Date: 15-09-2026

Expiry Date: 12-02-2028

Signed for and on behalf of TÜV Rheinland Australia Pty Ltd



Hellieh Basirnia

CERTIFICATE OF SUITABILITY

CONTINUATION SHEET 2

For models of SUN-7K-SG06LP1-AU-TM3-16 SUN-7K-SG06LP1-AU-TM3-32
SUN-7K-SG06LP1-AU-TM3-48 SUN-7K-SG06LP1-AU-TM3-64
SUN-7K-SG06LP1-AU-TM3-80 SUN-7K-SG06LP1-AU-TM3-96

PV Side:

Max. Input Voltage: 500Vdc

Voltage Range: 125-500Vdc

MPPT Full Power Voltage Range: 200-425Vdc

Max. Short Circuit Current: 54+27+27A

Max. Input Current: 36+18+18A

Backfeed Current: 0A

Battery Side:

Max. Battery Charge Current: 160; 175; 175; 175; 175; 175A

Max. Battery Discharge Current: 175A

AC Input and Output Side (On-grid):

Nominal AC Voltage: L/N/PE, 230/240Vac

Rated Frequency: 50Hz

Rated/ Max. Input/Output Power: 7kW

Rated/ Max. AC Input/Output apparent power: 7kVA

Rated/ Max. AC input/output current: 30.5A

Power Factor: 0.8 leading - 0.8 lagging

AC Output Side(Off-grid):

Nominal AC Voltage: L/N/PE, 230/240Vac

Rated Frequency: 50Hz

Rated AC Input/Output apparent power: 7kVA

Rated AC input/output current: 30.5A

Issue Date: 15-09-2026

Expiry Date: 12-02-2028

Signed for and on behalf of TÜV Rheinland Australia Pty Ltd



Hellieh Basirnia



JASANZ Register



TÜVRheinland®
Precisely Right.

CERTIFICATE OF SUITABILITY

CONTINUATION SHEET 3

For models of SUN-7.5K-SG06LP1-AU-TM3-16 SUN-7.5K-SG06LP1-AU-TM3-32
SUN-7.5K-SG06LP1-AU-TM3-48 SUN-7.5K-SG06LP1-AU-TM3-64
SUN-7.5K-SG06LP1-AU-TM3-80 SUN-7.5K-SG06LP1-AU-TM3-96

PV Side:

Max. Input Voltage: 500Vdc

Voltage Range: 125-500Vdc

MPPT Full Power Voltage Range: 200-425Vdc

Max. Short Circuit Current: 54+27+27A

Max. Input Current: 36+18+18A

Backfeed Current: 0A

Battery Side:

Max. Battery Charge Current: 160; 185; 185; 185; 185; 185A

Max. Battery Discharge Current: 185A

AC Input and Output Side (On-grid):

Nominal AC Voltage: L/N/PE, 230/240Vac

Rated Frequency: 50Hz

Rated/ Max. Input/Output Power: 7.5kW

Rated/ Max. AC Input/Output apparent power: 7.5kVA

Rated/ Max. AC input/output current: 32.7A

Power Factor: 0.8 leading - 0.8 lagging

AC Output Side(Off-grid):

Nominal AC Voltage: L/N/PE, 230/240Vac

Rated Frequency: 50Hz

Rated AC Input/Output apparent power: 7.5kVA

Rated AC input/output current: 32.7A

Issue Date: 15-09-2026

Expiry Date: 12-02-2028

Signed for and on behalf of TÜV Rheinland Australia Pty Ltd



Hellieh Basirnia



JASANZ Register



TÜVRheinland®
Precisely Right.

CERTIFICATE OF SUITABILITY

CONTINUATION SHEET 4

For models of SUN-8K-SG06LP1-AU-TM3-16 SUN-8K-SG06LP1-AU-TM3-32
SUN-8K-SG06LP1-AU-TM3-48 SUN-8K-SG06LP1-AU-TM3-64
SUN-8K-SG06LP1-AU-TM3-80 SUN-8K-SG06LP1-AU-TM3-96

PV Side:

Max. Input Voltage: 500Vdc

Voltage Range: 125-500Vdc

MPPT Full Power Voltage Range: 200-425Vdc

Max. Short Circuit Current: 54+27+27A

Max. Input Current: 36+18+18A

Backfeed Current: 0A

Battery Side:

Max. Battery Charge Current: 160; 185; 185; 185; 185; 185A

Max. Battery Discharge Current: 185A

AC Input and Output Side (On-grid):

Nominal AC Voltage: L/N/PE, 230/240Vac

Rated Frequency: 50Hz

Rated/ Max. Input/Output Power: 8kW

Rated/ Max. AC Input/Output apparent power: 8kVA

Rated/ Max. AC input/output current: 34.8A

Power Factor: 0.8 leading - 0.8 lagging

AC Output Side(Off-grid):

Nominal AC Voltage: L/N/PE, 230/240Vac

Rated Frequency: 50Hz

Rated AC Input/Output apparent power: 8kVA

Rated AC input/output current: 34.8A

Issue Date: 15-09-2026

Expiry Date: 12-02-2028

Signed for and on behalf of TÜV Rheinland Australia Pty Ltd



Hellieh Basirnia



JASANZ Register



TÜVRheinland®
Precisely Right.

CERTIFICATE OF SUITABILITY

CONTINUATION SHEET 5

For models of SUN-10K-SG06LP1-AU-TM3-16 SUN-10K-SG06LP1-AU-TM3-32
SUN-10K-SG06LP1-AU-TM3-48 SUN-10K-SG06LP1-AU-TM3-64
SUN-10K-SG06LP1-AU-TM3-80 SUN-10K-SG06LP1-AU-TM3-96

PV Side:

Max. Input Voltage: 500Vdc

Voltage Range: 125-500Vdc

MPPT Full Power Voltage Range: 250-425Vdc

Max. Short Circuit Current: 54+27+27A

Max. Input Current: 36+18+18A

Backfeed Current: 0A

Battery Side:

Max. Battery Charge Current: 160; 220; 220; 220; 220; 220A

Max. Battery Discharge Current: 220A

AC Input and Output Side (On-grid):

Nominal AC Voltage: L/N/PE, 230/240Vac

Rated Frequency: 50Hz

Rated/ Max. Input/Output Power: 9999W

Rated/ Max. AC Input/Output apparent power: 9999VA

Rated/ Max. AC input/output current: 43.5A

Power Factor: 0.8 leading - 0.8 lagging

AC Output Side(Off-grid):

Nominal AC Voltage: L/N/PE, 230/240Vac

Rated Frequency: 50Hz

Rated AC Input/Output apparent power: 9999VA

Rated AC input/output current: 43.5A

Issue Date: 15-09-2026

Expiry Date: 12-02-2028

Signed for and on behalf of TÜV Rheinland Australia Pty Ltd



Hellieh Basirnia



JASANZ Register



TÜVRheinland®
Precisely Right.

CERTIFICATE OF SUITABILITY

CONTINUATION SHEET 6

For models of SUN-12K-SG06LP1-AU-TM3-16 SUN-12K-SG06LP1-AU-TM3-32
SUN-12K-SG06LP1-AU-TM3-48 SUN-12K-SG06LP1-AU-TM3-64
SUN-12K-SG06LP1-AU-TM3-80 SUN-12K-SG06LP1-AU-TM3-96

PV Side:

Max. Input Voltage: 500Vdc

Voltage Range: 125-500Vdc

MPPT Full Power Voltage Range: 250-425Vdc

Max. Short Circuit Current: 54+54+27A

Max. Input Current: 36+36+18A

Backfeed Current: 0A

Battery Side:

Max. Battery Charge Current: 160; 250; 250; 250; 250; 250A

Max. Battery Discharge Current: 220; 250; 250; 250; 250; 250A

AC Input and Output Side (On-grid):

Nominal AC Voltage: L/N/PE, 230/240Vac

Rated Frequency: 50Hz

Rated/ Max. Input/Output Power: 12kW

Rated/ Max. AC Input/Output apparent power: 12kVA

Rated/ Max. AC input/output current: 52.2A

Power Factor: 0.8 leading - 0.8 lagging

AC Output Side(Off-grid):

Nominal AC Voltage: L/N/PE, 230/240Vac

Rated Frequency: 50Hz

Rated AC Input/Output apparent power: 12kVA

Rated AC input/output current: 52.2A

Issue Date: 15-09-2026

Expiry Date: 12-02-2028

Signed for and on behalf of TÜV Rheinland Australia Pty Ltd



Hellieh Basirnia



[JASANZ Register](http://JASANZ.Register)



TÜVRheinland®
Precisely Right.