

Certificate of Conformity

By the product certificate number:

No. 230022RECO06-CER

Issued to:

License holder:

NingBo Deye Inverter Technology Co., Ltd.
No. 26 South YongJiang Road, Daqi, Beilun, NingBo, China

Trademark:



Manufacturer:

NingBo Deye Inverter Technology Co., Ltd.
No. 26 South YongJiang Road, Daqi, Beilun, NingBo, China

It is certified that the product:

Type of generating unit:

Single Phase Grid-connected PV Inverter

Models:

SUN-1.5K-G04P1-EU-AM1, SUN-2K-G04P1-EU-AM1, SUN-2.2K-G04P1-EU-AM1, SUN-2.5K-G04P1-EU-AM1, SUN-2.7K-G04P1-EU-AM1, SUN-3K-G04P1-EU-AM1, SUN-3.3K-G04P1-EU-AM1, SUN-3.6K-G04P1-EU-AM1, SUN-4K-G04P1-EU-AM1.

Technical Data:

| | |
|------------------------|---------------|
| Nominal power [W] | See page 2 |
| Nominal voltage [V] | L/N/PE; 230 V |
| Nominal frequency [Hz] | 50 Hz / 60 Hz |
| Firmware version | 6256 |
| Number of phases | Single Phase |
| Isolation Transformer | No |

Is in compliance with the standard:

IEC 61683:1999. "Photovoltaic systems. Power conditioners. Procedure for measuring efficiency."

This certificate is based upon the test results of the Test Report GZES220400692603⁽¹⁾

⁽¹⁾ The tests shown in this test report are carried out at a frequency of 50 Hz.

The above-mentioned generating unit is certified according to the SGS internal procedure PE.T-ECPE-33 based on the requirements of the UNE-EN ISO / IEC 17065.

First issued on 16th May 2023

This certificate is valid until 16th May 2028

Madrid, 16th May 2023

Daniel Arranz Muñiz
Certification Manager



Full list of product references and nominal characteristics:

| Model | SUN-1.5K-G04P1-EU-AM1 | SUN-2K-G04P1-EU-AM1 | SUN-2.2K-G04P1-EU-AM1 | SUN-2.5K-G04P1-EU-AM1 |
|----------------------------------|-----------------------|---------------------|-----------------------|-----------------------|
| PV Input | | | | |
| Rated input voltage (V) | 360 | | | |
| MPPT operating voltage range (V) | 70~500 | | | |
| Max. input current (A) | 13 | | | |
| Max. short current (A) | 19.5 | | | |
| AC Output | | | | |
| Rated AC power (kW) | 1.5 | 2 | 2.2 | 2.5 |
| Max. AC power (kW) | 1.65 | 2.2 | 2.42 | 2.75 |
| Rated AC current (A) | 6.5 | 8.7 | 9.6 | 10.9 |
| Max. AC current (A) | 7.2 | 9.6 | 10.6 | 12 |

| Model | SUN-2.7K-G04P1-EU-AM1 | SUN-3K-G04P1-EU-AM1 | SUN-3.3K-G04P1-EU-AM1 | SUN-3.6K-G04P1-EU-AM1 | SUN-4K-G04P1-EU-AM1 |
|---------------------------------|-----------------------|---------------------|-----------------------|-----------------------|---------------------|
| PV Input | | | | | |
| Rated input voltage(V) | 360 | | | | 420 |
| MPPT operating voltage range(V) | 70~500 | | | | |
| Max. input current(A) | 13 | | | | |
| Max. short current(A) | 19.5 | | | | |
| AC Output | | | | | |
| Rated AC power(kW) | 2.7 | 3 | 3.3 | 3.6 | 4 |
| Max. AC power(kW) | 2.97 | 3.3 | 3.63 | 3.96 | 4.4 |
| Rated AC current(A) | 11.8 | 13.1 | 14.4 | 15.7 | 17.4 |
| Max. AC current(A) | 13.0 | 14.4 | 15.8 | 17.3 | 19.2 |



Summary of efficiency results measured for the tested models:

These efficiency results are representatives for the referred models with a testing frequency of 50Hz.

Power conditioner type – Grid Connected

| SUN-1.5K-G04P1-EU-AM1 | | | | | |
|---|--------------|--------------|--------------|--------------|---------------|
| Test condition | 10%Sn | 25%Sn | 50%Sn | 75%Sn | 100%Sn |
| Minimum rated input voltage ⁽¹⁾ | 95.7% | 97.45 | 97.5% | 97.2% | 96.9% |
| Nominal input voltage ⁽²⁾ | 95.7% | 97.3% | 97.9% | 97.3% | 96.9% |
| 90% of the maximum rated input voltage ⁽³⁾ | 93.6% | 96.9% | 97.3% | 97.2% | 96.7% |

⁽¹⁾ 180 V; ⁽²⁾360 V; ⁽³⁾495 V

| SUN-2K-G04P1-EU-AM1 | | | | | |
|---|--------------|--------------|--------------|--------------|---------------|
| Test condition | 10%Sn | 25%Sn | 50%Sn | 75%Sn | 100%Sn |
| Minimum rated input voltage ⁽¹⁾ | 96.4% | 97.5% | 97.4% | 96.9% | 96.8% |
| Nominal input voltage ⁽²⁾ | 95.8% | 97.7% | 97.7% | 97.2% | 96.8% |
| 90% of the maximum rated input voltage ⁽³⁾ | 94.5% | 96.8% | 97.1% | 97.2% | 96.6% |

⁽¹⁾ 180 V; ⁽²⁾360 V; ⁽³⁾495 V

| SUN-2.2K-G04P1-EU-AM1 | | | | | |
|---|--------------|--------------|--------------|--------------|---------------|
| Test condition | 10%Sn | 25%Sn | 50%Sn | 75%Sn | 100%Sn |
| Minimum rated input voltage ⁽¹⁾ | 95.1% | 97.2% | 97.3% | 96.6% | 96.1% |
| Nominal input voltage ⁽²⁾ | 94.4% | 97.2% | 97.4% | 96.9% | 96.5% |
| 90% of the maximum rated input voltage ⁽³⁾ | 94.7% | 97.0% | 97.3% | 96.6% | 96.3% |

⁽¹⁾ 180 V; ⁽²⁾360 V; ⁽³⁾495 V

| SUN-2.5K-G04P1-EU-AM1 | | | | | |
|---|--------------|--------------|--------------|--------------|---------------|
| Test condition | 10%Sn | 25%Sn | 50%Sn | 75%Sn | 100%Sn |
| Minimum rated input voltage ⁽¹⁾ | 95.9% | 97.2% | 97.6% | 97.0% | 96.7% |
| Nominal input voltage ⁽²⁾ | 95.5% | 97.1% | 97.4% | 97.1% | 96.8% |
| 90% of the maximum rated input voltage ⁽³⁾ | 95.1% | 96.6% | 97.1% | 96.9% | 96.5% |

⁽¹⁾ 180 V; ⁽²⁾360 V; ⁽³⁾495 V

| SUN-2.7K-G04P1-EU-AM1 | | | | | |
|---|--------------|--------------|--------------|--------------|---------------|
| Test condition | 10%Sn | 25%Sn | 50%Sn | 75%Sn | 100%Sn |
| Minimum rated input voltage ⁽¹⁾ | 95.4% | 97.4% | 97.1% | 96.8% | 96.3% |
| Nominal input voltage ⁽²⁾ | 96.9% | 97.4% | 97.7% | 96.6% | 96.5% |
| 90% of the maximum rated input voltage ⁽³⁾ | 96.9% | 97.4% | 97.4% | 96.6% | 96.2% |

⁽¹⁾ 180 V; ⁽²⁾360 V; ⁽³⁾495 V



| SUN-3K-G04P1-EU-AM1 | | | | | |
|---|-------|-------|-------|-------|--------|
| Test condition | 10%Sn | 25%Sn | 50%Sn | 75%Sn | 100%Sn |
| Minimum rated input voltage ⁽¹⁾ | 95.1% | 97.1% | 97.7% | 97.1% | 96.6% |
| Nominal input voltage ⁽²⁾ | 95.1% | 97.6% | 97.7% | 97.1% | 96.9% |
| 90% of the maximum rated input voltage ⁽³⁾ | 94.7% | 96.7% | 97.2% | 97.1% | 96.6% |

⁽¹⁾ 180 V; ⁽²⁾360 V; ⁽³⁾495 V

| SUN-3.3K-G04P1-EU-AM1 | | | | | |
|---|-------|-------|-------|-------|--------|
| Test condition | 10%Sn | 25%Sn | 50%Sn | 75%Sn | 100%Sn |
| Minimum rated input voltage ⁽¹⁾ | 96.1% | 97.4% | 97.4% | 96.6% | 96.4% |
| Nominal input voltage ⁽²⁾ | 96.1% | 96.9% | 97.6% | 96.9% | 96.4% |
| 90% of the maximum rated input voltage ⁽³⁾ | 94.9% | 97.0% | 97.4% | 96.7% | 96.4% |

⁽¹⁾ 180 V; ⁽²⁾360 V; ⁽³⁾495 V

| SUN-3.6K-G04P1-EU-AM1 | | | | | |
|---|-------|-------|-------|-------|--------|
| Test condition | 10%Sn | 25%Sn | 50%Sn | 75%Sn | 100%Sn |
| Minimum rated input voltage ⁽¹⁾ | 95.4% | 97.3% | 97.4% | 97.1% | 96.7% |
| Nominal input voltage ⁽²⁾ | 95.4% | 97.7% | 97.9% | 97.3% | 96.9% |
| 90% of the maximum rated input voltage ⁽³⁾ | 94.4% | 97.2% | 97.2% | 97.0% | 96.7% |

⁽¹⁾ 180 V; ⁽²⁾360 V; ⁽³⁾495 V

| SUN-4K-G04P1-EU-AM1 | | | | | |
|---|-------|-------|-------|-------|--------|
| Test condition | 10%Sn | 25%Sn | 50%Sn | 75%Sn | 100%Sn |
| Minimum rated input voltage ⁽¹⁾ | 95.7% | 97.4% | 97.6% | 97.3% | 96.8% |
| Nominal input voltage ⁽²⁾ | 95.7% | 97.4% | 97.6% | 97.1% | 96.9% |
| 90% of the maximum rated input voltage ⁽³⁾ | 94.7% | 97.0% | 97.2% | 97.0% | 96.6% |

⁽¹⁾ 180 V; ⁽²⁾360 V; ⁽³⁾495 V

