

Certificate of Conformity

By the product certificate number:

No. 230022RECO06-E1-CER

Issued to:

License holder:

NingBo Deye Inverter Technology Co., Ltd.

No. 26 South YongJiang Road, Daqi, Beilun, NingBo, Zhejiang, China

Trademark:



Manufacturer:

NingBo Deye Inverter Technology Co., Ltd.

No. 26 South YongJiang Road, Daqi, Beilun, NingBo, Zhejiang, China

It is certified that the product:

Type of generating unit: **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 _{ac}]	230
Nominal frequency [Hz]	50 / 60
Firmware version	6256
Number of phases	Single Phase (L/N/PE)
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 Amendment 01⁽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.

This certificate cancels and replaces certificate no. 230022RECO06-CER.

First issued on 17th April 2024.

This certificate is valid until 16th May 2028.

Madrid, 17th April 2024.

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)	20			
Max. short current (A)	30			
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)	20				
Max. short current(A)	30				
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

