

# 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<sup>(1)</sup>

<sup>(1)</sup> 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 16<sup>th</sup> May 2023

This certificate is valid until 16<sup>th</sup> May 2028

Madrid, 16<sup>th</sup> 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
<b>PV Input</b>				
Rated input voltage (V)	360			
MPPT operating voltage range (V)	70~500			
Max. input current (A)	13			
Max. short current (A)	19.5			
<b>AC Output</b>				
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
<b>PV Input</b>					
Rated input voltage(V)	360				420
MPPT operating voltage range(V)	70~500				
Max. input current(A)	13				
Max. short current(A)	19.5				
<b>AC Output</b>					
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 <sup>(1)</sup>	95.7%	97.45	97.5%	97.2%	96.9%
Nominal input voltage <sup>(2)</sup>	95.7%	97.3%	97.9%	97.3%	96.9%
90% of the maximum rated input voltage <sup>(3)</sup>	93.6%	96.9%	97.3%	97.2%	96.7%

<sup>(1)</sup> 180 V; <sup>(2)</sup>360 V; <sup>(3)</sup>495 V

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

<sup>(1)</sup> 180 V; <sup>(2)</sup>360 V; <sup>(3)</sup>495 V

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

<sup>(1)</sup> 180 V; <sup>(2)</sup>360 V; <sup>(3)</sup>495 V

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

<sup>(1)</sup> 180 V; <sup>(2)</sup>360 V; <sup>(3)</sup>495 V

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

<sup>(1)</sup> 180 V; <sup>(2)</sup>360 V; <sup>(3)</sup>495 V



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

<sup>(1)</sup> 180 V; <sup>(2)</sup>360 V; <sup>(3)</sup>495 V

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

<sup>(1)</sup> 180 V; <sup>(2)</sup>360 V; <sup>(3)</sup>495 V

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

<sup>(1)</sup> 180 V; <sup>(2)</sup>360 V; <sup>(3)</sup>495 V

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

<sup>(1)</sup> 180 V; <sup>(2)</sup>360 V; <sup>(3)</sup>495 V

