

Certificate of Conformity

By the product certificate number:

No. 2622/0429-B-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: **Hybrid Inverter**

Models: **SUN-12K-SG01LP1-EU SUN-14K-SG01LP1-EU SUN-16K-SG01LP1-EU**

Technical Data:	Nominal power [W]	12000	14000	16000
	Nominal voltage [V]	230	230	230
	Nominal frequency [Hz]	50	50	50

Firmware version **Main Software version: Ver 0-9016-1725;**
HMI version: Ver 0000-c358

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 GZES220300425002

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 28th October 2022

This certificate is valid until 28th October 2027

Madrid, 28th October 2022

Daniel Arranz Muñiz
Certification Manager



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-12K-SG01LP1-EU					
Test condition	10%Sn	25%Sn	50%Sn	75%Sn	100%Sn
Minimum rated input voltage ⁽¹⁾	93.2%	97.1%	96.8%	96.5%	96.3%
Nominal input voltage ⁽²⁾	93.4%	97.5%	97.2%	96.7%	96.4%
90% of the maximum rated input voltage ⁽³⁾	93.5%	97.1%	96.9%	96.7%	96.3%

⁽¹⁾ 250 V; ⁽²⁾370 V; ⁽³⁾425 V

SUN-14K-SG01LP1-EU					
Test condition	10%Sn	25%Sn	50%Sn	75%Sn	100%Sn
Minimum rated input voltage ⁽¹⁾	92.7%	97.2%	96.8%	96.6%	96.2%
Nominal input voltage ⁽²⁾	93.7%	97.5%	97.1%	96.6%	96.5%
90% of the maximum rated input voltage ⁽³⁾	93.7%	97.2%	96.9%	96.7%	96.4%

⁽¹⁾ 250 V; ⁽²⁾370 V; ⁽³⁾425 V

SUN-16K-SG01LP1-EU					
Test condition	10%Sn	25%Sn	50%Sn	75%Sn	100%Sn
Minimum rated input voltage ⁽¹⁾	93.4%	97.2%	96.7%	96.4%	96.1%
Nominal input voltage ⁽²⁾	93.9%	97.4%	97.0%	96.6%	96.3%
90% of the maximum rated input voltage ⁽³⁾	93.4%	97.3%	96.9%	96.5%	96.3%

⁽¹⁾ 250 V; ⁽²⁾370 V; ⁽³⁾425 V

