

Certificate of Conformity

By the product certificate number:

No. 230022RECO15-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: **Grid-connected PV Inverter**

Models:	SUN-25K-G05	SUN-20K-G05	SUN-18K-G05
Technical Data:			
Nominal power	25000 W	20000 W	18000 W
Nominal voltage	230 V / 400 V [3/N/PE]	230 V / 400 V [3/N/PE]	230 V / 400 V [3/N/PE]
Nominal frequency	50 Hz / 60 Hz	50 Hz / 60 Hz	50 Hz / 60 Hz
Firmware version	5512	5512	5512
Number of phases	Three Phase	Three Phase	Three Phase
Isolation Transformer	No	No	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 GZES230300417903 ⁽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 07th June 2023

This certificate is valid until 07th June 2028

Madrid, 07th June 2023

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-18K-G05					
Test condition	10%Sn	25%Sn	50%Sn	75%Sn	100%Sn
Minimum rated input voltage ⁽¹⁾	96.2%	97.1%	97.1%	96.9%	96.4%
Nominal input voltage ⁽²⁾	96.9%	97.65	97.5%	97.2%	96.9%
90% of the maximum rated input voltage ⁽³⁾	94.0%	96.4%	97.1%	96.9%	96.6%

⁽¹⁾ 500 V; ⁽²⁾ 600 V; ⁽³⁾ 850 V

SUN-20K-G05					
Test condition	10%Sn	25%Sn	50%Sn	75%Sn	100%Sn
Minimum rated input voltage ⁽¹⁾	95.9%	97.2%	97.2%	97.0%	96.5%
Nominal input voltage ⁽²⁾	96.3%	97.4%	97.8%	97.3%	97.0%
90% of the maximum rated input voltage ⁽³⁾	94.4%	96.5%	97.0%	96.8%	96.6%

⁽¹⁾ 500 V; ⁽²⁾ 600 V; ⁽³⁾ 850 V

SUN-25K-G05					
Test condition	10%Sn	25%Sn	50%Sn	75%Sn	100%Sn
Minimum rated input voltage ⁽¹⁾	96.4%	97.5%	97.5%	97.4%	96.8%
Nominal input voltage ⁽²⁾	96.15%	97.5%	97.8%	97.4%	97.2%
90% of the maximum rated input voltage ⁽³⁾	93.9%	96.3%	96.9%	96.9%	96.5%

⁽¹⁾ 500 V; ⁽²⁾ 600 V; ⁽³⁾ 850 V

