

Certificate of Conformity

By the product certificate number

No. 2620/0300-E1-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 generator: **PV Solar Grid-tied Inverter**

Models: **SUN-1K-G / SUN-1.5K-G / SUN-2K-G / SUN-2.5K-G / SUN-3K-G
SUN-3.6K-G / SUN-4K-G / SUN-5K-G / SUN-6K-G**

Technical Data:	Rated Active Power	See page 2
	Rated Voltage	230 V
	Rated Frequency	50 Hz
	Firmware version	DSP: Ver0218 LCD: Ver5129
	Number of phases	Single phase (L/N/PE)
	Isolation transformer	NO

(See further information about rating characteristics in the page 2)

Complies with the standard:

- **EN 50549-1: 2019** "Requirements for generating plants to be connected in parallel with distribution networks – Part 1: Connection to a LV Distribution Network - Generating Plants up to and including type B".

The above-mentioned product is certified according to the standard EN 50549-1: 2019 and is valid to be installed in PV generating of type plants A to be connected to a LV distribution network. The relation between this European Standard with the relevant Article of COMMISSION REGULATION (EU) 2016/631 (NC RfG) is considered as it is indicated in the annex H of the standard EN 50549-1:2019.

The above-mentioned generating unit is certified according to the SGS internal procedure PE.T-ECPE-53 based on the requirements of the UNE-EN ISO / IEC 17065.

This certificate cancels and supersedes the certificate No. 2620/0300-CER-E1.

First issued on: 23rd of September 2020

This certificate is valid until: 23rd of September 2023.

Madrid, 11th April 2021

Daniel Arranz Muñiz
Certification Manager



Full list of rated characteristics of certified models:

Product Model	SUN-6K-G	SUN-5K-G	SUN-4K-G	SUN-3.6K-G
Input (DC)				
Max.DC Input Power (kW)	6.6	6.5	5.2	4.7
Max.DC Voltage (V)	550			
MPPT Voltage Range (V)	70~550			
Full load DC voltage range (V)	250~500			
Max. input current per MPPT (A)	2* 12.5			
Max. short circuit input current (A)	2* 20			
Number of MPPT/ Strings per MPPT	2 / 1			
Output (AC)				
Max AC Output power (kW)	6.6	5.5	4.4	3.96
Rated AC Output power (kW)	6	5	4	3.6
Max AC Output Current (A)	28.7	23.9	19.1	17.4
Rated AC Output Current (A)	26.1	21.7	17.4	15.7
Nominal Grid Voltage (V)	230 (L/N/PE)			
Nominal Frequency (Hz)	50			
Power factor	>0.99 (adjustable ±0.8)			
Topology	Transformerless			
Operating temperature range	-25 ~ 60 °C			
Degree of protection	IP65			
Protection Level	Class I			

Product Model	SUN-3K-G	SUN-2.5K-G	SUN-2K-G	SUN-1K-G	SUN-1.5K-G
Input (DC)					
Max.DC Input Power (kW)	4.2	3	2.8	1.4	2
Max.DC Voltage (V)	550				
MPPT Voltage Range (V)	70~550	50~550			
Full load DC voltage range (V)	250~500				
Max. input current per MPPT (A)	12.5				
Max. short circuit input current (A)	20				
Number of MPPT / Strings per MPPT	1 / 1				
Output (AC)					
Max AC Output power (kW)	3.3	2.75	2.2	1.1	1.65
Rated AC Output power (kW)	3	2.5	2	1	1.5
Max AC Output Current (A)	14	12	9.6	4.8	7.2
Rated AC Output Current (A)	13.1	11	8.7	4.3	6.5
Nominal Grid Voltage (V)	230 (L/N/PE)				
Nominal Frequency (Hz)	50				
Power factor	> 0.99 (adjustable ±0.8)				
Topology	Transformerless				
Operating temperature range	-25 ~ 60 °C				
Degree of protection	IP65				
Protection Level	Class I				

