

# Certificate of Conformity

By the product certificate number:

No. 2620/0211-E2-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 Inverter**

Models: **SUN-3K-G03 / SUN-3K-G03-1 / SUN-3.2K-G03 / SUN-4K-G03 / SUN-5K-G03 / SUN-6K-G03 / SUN-7K-G03 / SUN-8K-G03 / SUN-9K-G03 / SUN-10K-G03 / SUN-12K-G03 / SUN-15K-G03**

Technical Data:	Rated Active Power	See pages 2 and 3
	Rated Voltage	230 / 400 V
	Rated Frequency	50 Hz
	Firmware version	Ver 1813
	Number of phases	Three phases (3L/N/PE)
	Isolation transformer	NO

(See further information about rating characteristics in the pages 2 and 3)

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. 2620/0211-E1-CER-E2.

First issued on: 14<sup>th</sup> of July 2020.

This certificate is valid until: 14<sup>th</sup> of July 2023.

Madrid, 12<sup>th</sup> April 2021



Daniel Arranz Muñiz  
Certification Manager



**Full list of rated characteristics of certified models:**

Product Model	SUN-10K-G03	SUN-9K-G03	SUN-8K-G03	SUN-7K-G03	SUN-6K-G03
Input (DC)					
Max.DC Input Power (kW)	12	11.7	10.4	10	9
Max.DC Voltage (V)	1000				
MPPT Voltage Range (V)	140 – 1000				
MAX input current per MPPT (A)	12.5 + 12.5				
Output (AC)					
Max AC Output power (kW)	11	9.9	8.8	7.7	6.6
Rated AC Output power (kW)	10	9	8	7	6
Max AC Output Current (A)	16	14.3	12.76	11.11	10
Rated AC Output Current (A)	14.5	13.0	11.6	10.1	8.7
Nominal Grid Voltage (V)	230/400 (3L/N/PE)				
Nominal Frequency (Hz)	50				
Power factor	>0.99 (adjustable+/-0.9)				
Topology	Transformerless				
Operating temperature range	-25 ~ 65°C				
Degree of protection	IP65				

Product Model	SUN-15K-G03	SUN-12K-G03	SUN-4K-G03	SUN-5K-G03
Input (DC)				
Max.DC Input Power (kW)	18	15.6	6	7.8
Max.DC Voltage (V)	1000			
MPPT Voltage Range (V)	140 – 1000			
MAX input current per MPPT (A)	12.5 + 25		12.5 + 12.5	
Output (AC)				
Max AC Output power (kW)	16.5	13.2	4.5	5.9
Rated AC Output power (kW)	15	12	4	5
Max AC Output Current (A)	24	19.14	6.7	8.5
Rated AC Output Current (A)	21.8	17.4	5.8	7.2
Nominal Grid Voltage (V)	230/400 (3L/N/PE)			
Nominal Frequency (Hz)	50			
Power factor	>0.99 (adjustable+/-0.9)			
Topology	Transformerless			
Operating temperature range	-25 ~ 65°C			
Degree of protection	IP65			



Product Model	SUN-3.2K-G03	SUN-3K-G03-1	SUN-3K-G03
Input (DC)			
Max.DC Input Power (kW)	4.8	4.8	4.8
Max.DC Voltage (V)	1000		
MPPT Voltage Range (V)	140 - 1000		
MAX input current per MPPT (A)	12.5 + 12.5	12.5	12.5 + 12.5
Output (AC)			
Max AC Output power (kW)	3.5	3.5	3.5
Rated AC Output power (kW)	3.2	3.2	3.2
Max AC Output Current (A)	5.3	5.3	5.3
Rated AC Output Current (A)	4.6	4.6	4.6
Nominal Grid Voltage (V)	230/400 (3L/N/PE)		
Nominal Frequency (Hz)	50		
Power factor	>0.99 (adjustable+/-0.9)		
Topology	Transformerless		
Operating temperature range	-25 ~ 65°C		
Degree of protection	IP65		

