

## VERIFICATION OF COMPLIANCE

No.: GZES2012034384PV

Applicant: NingBo Deye Inverter Technology Co.,Ltd.  
No.26 South YongJiang Road, Daqi, Beilun, NingBo, China.

Manufacturer: NingBo Deye Inverter Technology Co.,Ltd.  
No.26 South YongJiang Road, Daqi, Beilun, NingBo, China.

Product Name: PV Solar Grid Tie Inverter

Product Description: Inverter used in PV system

Model No.: SUN-70K-G03, SUN-75K-G03, SUN-80K-G03, SUN-90K-G03,  
SUN-100K-G03, SUN-110K-G03



Trade Mark:

Rating: Refer to page 2

Intended Use: PV System

Protection against Electric Shock: Class I

Additional Information (if any): IP 65

Firmware version: Ver3205

Sufficient samples of the product have been tested and found to be in conformity with

Test Standard: Refer to page 3

as shown in the

Test Report Number(s): GZES201203438401, GZES201203438402  
GZES201203438403, GZES201203438404

This Verification of Compliance has been granted to the applicant based on the results of tests, performed by Laboratory of SGS-CSTC Standards Technical Services Co., Ltd. on sample of the above-mentioned product in accordance with the provisions of the relevant specific standards.



David Guo  
Senior Technical Manager  
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2021-02-03

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Other information added :  
Ratings

Model	SUN-70K-G03	SUN-75K-G03	SUN-80K-G03	SUN-90K-G03	SUN-100K-G03	SUN-110K-G03
DC Input						
Max. DC Power	105kW	112.5kW	120kW	135kW	150kW	165kW
Max. DC voltage	1000V					
Start-up DC Input Voltage	200V					
MPPT voltage range	200V~850V					
Full power MPPT voltage range	460~850V					
Max. input current	40A*4	40A*4	40A*4	40A*6	40A*6	40A*6
AC Output						
Rated power	70kW	75kW	80kW	90kW	100kW	110kW
Max. AC power	77kVA	82.5kVA	88kVA	99kVA	110kVA	121kVA
Max. output current	111.6A	119.6A	127.5A	143.5A	159.4A	175.4
Nominal grid voltage	3L/N/PE, 230/400V					
Nominal output frequency	50Hz/60Hz					
Output power factor	1 (Adjustable from 0.8 leading to 0.8 lagging)					
Operating temperature range	-20+65°C (derating at +45°C)					
Ingress protection	IP65					
Protective class	Class I					

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Test Standards: IEC 60068-2-1:2007. Environmental testing. Part 2-1: Tests. Test Ae: Cold.  
IEC 60068-2-2:2007. Environmental testing. Part 2-2: Tests. Test Be: Dry heat.  
IEC 60068-2-14:2009. Environmental testing. Part 2-14: Tests. Test Nb: Change of temperature.  
IEC 60068-2-30:2005. Environmental testing. Part 2-30: Tests. Test Db-Variant 1: Damp heat, cyclic (12 h + 12 h cycle).  
IEC 61683:1999. Photovoltaics systems - Power conditioners - Procedure for measuring efficiency.  
IEC 62116:2014. Test procedure of islanding prevention measures for utility-interconnected photovoltaic inverters.  
IEC 61727:2004. Photovoltaics (PV) systems - Characteristics of the utility interface.



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