



VERIFICATION OF COMPLIANCE

No.: GZES1911027617PV

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: Hybrid Inverter (Single phase)

Product Description: Inverter used in PV system

Model No.: SUN-5K-SG03LP1-EU, SUN-3.6K-SG03LP1-EU;

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: HMI: Verc308
MAIN: Ver0108

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

Test Standard: IEC 62040-1:2017

as shown in the

Test Report Number(s): GZES191102761701

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
SGS-CSTC



2019-11-23

Copyright of this verification is owned by SGS-CSTC Standards Technical Services Co., Ltd. and may not be reproduced other than in full and with the prior approval of the General Manager. This verification is subjected to the governance of the General Conditions of Services, printed overleaf.

Member of SGS Group (Société Générale de Surveillance)



No.:

GZES1911027617PV

Other information added:
Ratings

Model Number	SUN-5K-SG03LP1-EU	SUN-3.6K-SG03LP1-EU
IP degree	IP 65	
Ambient Temperature	IP65-25-60°C (>45°C derating)	
Charge Mode		
Battery Voltage	48Vd.c.(40V-60V)	
Battery Current	120Ad.c. Max	90Ad.c. Max
AC input voltage	230Va.c. (180V -265V)	
AC input frequency	50Hz(47-52Hz)	
AC input rated current	21.7Aa.c.	15.7Aa.c.
Max. AC input current	25 Aa.c. Max	18 Aa.c.Max
Max. AC input power	5500W	3960W
PV input voltage	370Vd.c(100Vd.c-500Vd.c)	
MPPT input range	125Vd.c.-425Vd.c.	
PV input current	11Ad.c.*2	
Max PV input power	6500W	4680W
Utility-Interactive		
AC Output voltage	230Va.c. (180V -265V)	
AC Output frequency	50Hz(47-52Hz)	
AC Output rated current	21.7Aa.c.	15.7Aa.c.
Max. AC Output current	25Aa.c. Max	18 Aa.c.Max
Max. AC Output power	5500W	3960W
AC output rated power	5000W	3600W
Battery discharge voltage	40 – 60 Vd.c.	
Battery discharge current	120Ad.c. Max	90Ad.c. Max
Battery discharge power	5500W	3960W
Stand alone		
AC Output Voltage	230Va.c. (180 – 265Va.c.)	
AC Output Frequency	50Hz(47-52Hz)	
AC Output Rated Current	21.7Aa.c.	15.7Aa.c.
AC Output Power	5000W	3600W
Max. Continuous AC Passthrough	35Aa.c.	35Aa.c.
Peak Output Power	10000W 10sec.	7200W 10sec.
Discharge Battery Voltage Range	40-60Vd.c.	
Max. Discharge Current	120Ad.c. Max.	90Ad.c. Max

David Guo
Senior Technical Manager
SGS-CSTC



2019-11-23

Copyright of this verification is owned by SGS-CSTC Standards Technical Services Co., Ltd. and may not be reproduced other than in full and with the prior approval of the General Manager. This verification is subjected to the governance of the General Conditions of Services, printed overleaf.

Member of SGS Group (Société Générale de Surveillance)