

## VERIFICATION OF COMPLIANCE

No.: GZES2107024092PV

Applicant: SunSynk Ltd.  
Flat A, 3/F Wai Yip Industrial Building, 171 Wai Yip Street, Kwun Tong, Hong Kong

Manufacturer: SunSynk Ltd.  
Flat A, 3/F Wai Yip Industrial Building, 171 Wai Yip Street, Kwun Tong, Hong Kong

Product Name: Hybrid Inverter (Single phase)

Product Description: Inverter used in PV system

Model No.: SUNSYNK-3.6K-SG03LP1, SUNSYNK-5K-SG03LP1

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:

Refer to page 2

as shown in the

GZES210702409201

Test Report Number(s):

GZES210702409202

GZES210702409203

GZES210702409204

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

2021-10-28



No.:

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Other information added:

Ratings

Model Number	SUNSYNK-5K-SG03LP1	SUNSYNK-3.6K-SG03LP1
Max. DC input power	6500W	4680W
Max. input voltage	500Vd.c.	
Rated voltage	370Vd.c.	
Max. input current	11Ad.c.x2	
Operating MPPT voltage range	125V-425 Vd.c.	
Full load DC Voltage Range	240V-425 Vd.c.	
Battery voltage	40V-60V	
Battery current	120A d.c.Max	90A d.c.Max
Rated grid voltage	230Va.c.(180V-265V)	
Rated grid frequency	50Hz / 60Hz	
AC Rated output power	5000W	3600W
Max.AC output power	5500W	3960W
Rated output current	21.7Aa.c	15.7Aa.c
Max. output current	25Aa.c	18Aa.c
Power factor	0.8 leading to 0.8 lagging	
Ambient temperature	-25°C~60°C	
Ingress protection	IP65	
Protective class	Class I	

Test Standard:

BS EN 60068-2-1:2007 & IEC 60068-2-1:2007. Environmental testing. Part 2-1: Tests. Test Ae: Cold.  
 BS EN 60068-2-2:2007 & IEC 60068-2-2:2007. Environmental testing. Part 2-2: Tests. Test Be: Dry heat.  
 BS EN 60068-2-14:2009 & IEC 60068-2-14:2009. Environmental testing. Part 2-14: Tests. Test Nb: Change of temperature.  
 BS EN 60068-2-30:2005 & IEC 60068-2-30:2005. Environmental testing. Part 2-30: Tests. Test Db-Variant 1: Damp heat, cyclic (12 h + 12 h cycle).  
 BS EN 61683:2000 & IEC 61683:1999. Photovoltaics systems - Power conditioners - Procedure for measuring efficiency.  
 BS EN 62116:2014 & IEC 62116:2014. Test procedure of islanding prevention measures for utility-interconnected photovoltaic inverters.  
 BS EN 61727:1996 & IEC 61727:2004. Photovoltaics (PV) systems - Characteristics of the utility interface.

  
 David Guo  
 Senior Technical Manager  
 SGS-CSTC



2021-10-28

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