

## VERIFICATION OF COMPLIANCE

No.: GZES2012033368PV02

Applicant: Shenzhen SOFARSOLAR Co., Ltd.  
401, Building 4, AnTongDa Industrial Park, District 68, XingDong Community, XinAn Street, BaoAn District, Shenzhen, Guangdong, China

Manufacturer: Shenzhen SOFARSOLAR Co., Ltd.  
401, Building 4, AnTongDa Industrial Park, District 68, XingDong Community, XinAn Street, BaoAn District, Shenzhen, Guangdong, China

Product Name: Solar Grid-tied Inverter (Three Phase)

Product Description: Inverter used in PV system

Model No.: SOFAR 75KTL, SOFAR 80KTL, SOFAR 100KTL, SOFAR 110KTL;  
SOFAR 100KTL-HV, SOFAR 125KTL-HV, SOFAR 136KTL-HV;

Trade Mark:



Rating: Refer to page 2

Intended Use: PV System

Protection against Electric Shock: Class I

Additional Information (if any): IP 66  
Firmware version: ARM V020010; DSPS V020010; DSPM V020010;

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): GZES201203336803, GZES201203336804

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



2020-12-08

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Other information added :  
Ratings

Model	SOFAR 75KTL	SOFAR 80KTL	SOFAR 100KTL	SOFAR 110KTL	SOFAR 100KTL-HV	SOFAR 125KTL-HV	SOFAR 136KTL-HV
DC Input							
Max. DC voltage	1100V						
Rated input voltage	625V	625V	625V	625V	725V	725V	785V
Start-up operating voltage	200V						
MPPT voltage range	180V~1000V						
Full power MPPT voltage range	500V-850V				550V-850V		
Max. input current	8*26A	8*26A	10*26A	10*26A	10*26A	10*26A	12*26A
Max. input short circuit current	8*40A	8*40A	10*40A	10*40A	10*40A	10*40A	12*40A
AC Output							
Rated power	75kW	80kW	100kW	110kW	100kW	125kW	136kW
Max. AC power	75kVA	88kVA	110kVA	121kVA	110kVA	137kVA	150kVA
Max. output current	113A	128A	160A	175A	128A	160A	160A
Nominal grid voltage	3/N/PE, 380V/400Vac				3/PE, 500Vac		3/PE, 540Vac
Nominal output frequency	50Hz						
Output power factor	1 default (adjustable +/-0.8)						
Operating temperature range	-30°C ~60°C						
Ingress protection	IP66						
Protective class	Class I						




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Senior Technical Manager  
SGS-CSTC

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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.

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