

VERIFICATION OF COMPLIANCE

| | |
|---|---|
| No.: | GZES2002011511PV |
| Applicant: | Shenzhen SOFAR SOLAR Co., Ltd. 401, Building 4, AnTongDa Industrial Park, District 68, XingDong Community, XinAn Street, BaoAn District, Shenzhen City, Guangdong Province, P.R. China |
| Manufacturer: | Shenzhen SOFAR SOLAR Co., Ltd. 401, Building 4, AnTongDa Industrial Park, District 68, XingDong Community, XinAn Street, BaoAn District, Shenzhen City, Guangdong Province, P.R. China |
| Product Name: | Single phase Utility interactive inverter |
| Product Description: | Inverter used in PV system |
| Model No.: | SOFAR 6KTLM-G2, SOFAR 5.6KTLM-G2; SOFAR 5KTLM-G2; SOFAR 4.6KTLM-G2; SOFAR 4KTLM-G2, SOFAR 3.6KTLM-G2; SOFAR 3KTLM-G2; |
| 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: V2.00 |
| 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): | GZES200201151101, GZES200201151102 GZES200201151103, GZES200201151104 |

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 G...
Senior Technical Manager
SGS-CSTC



2020-03-10



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Other information added:

Rating:

| Product Model | SOFAR 3KTLM -G2 | SOFAR 3.6KTLM -G2 | SOFAR 4KTLM -G2 | SOFAR 4.6KTLM -G2 | SOFAR 5KTLM -G2 | SOFAR 5.6KTLM -G2 | SOFAR 6KTLM -G2 |
|-----------------------------|-----------------------|-------------------------|-----------------------|-------------------------|-----------------------|-------------------------|-----------------------|
| Input (DC) | | | | | | | |
| Max.DC Input Power | 3500W | 4000W | 4400W | 5000W | 5500W | 6160W | 6600W |
| Max.DC Voltage | 600V | | | | | | |
| Power Turn on | 80V | | | | | | |
| Start-up input voltage | 120V | | | | | | |
| Rated input voltage | 360V | | | | | | |
| MPPT Voltage Range | 90-580V | | | | | | |
| Full load DC voltage range | 160-520V | 180-520V | 200-520V | 230-520V | 250-520V | 280-520V | 300-520V |
| MAX input current per MPPT | 11A/11A | | | | | | |
| Number of DC inputs | 2/2 | | | | | | |
| Output (AC) | | | | | | | |
| Max AC Output power | 3000VA | 3680VA | 4000VA | 4600VA | 5000VA | 5600VA | 6000VA |
| Max AC Output power (PF=1) | 3000W | 3680W | 4000W | 4600W | 5000W | 5600W | 6000W |
| Max AC Output Current | 13.7A | 16.8A | 18.2A | 21.0A | 22.8A | 25.5A | 27.3A |
| Nominal Grid Voltage | 230Vac (Single phase) | | | | | | |
| Nominal Frequency | 50Hz | | | | | | |
| Power factor | 1(adjustable+/-0.9) | | | | | | |
| Topology | Transformerless | | | | | | |
| Operating temperature range | -25 °C -60 °C | | | | | | |
| Degree of protection | IP65 | | | | | | |



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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.

David G. 
Senior Technical Manager
SGS-CSTC



2020-03-10

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