



VERIFICATION OF COMPLIANCE

No.: GZES2007022912PV01

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: Hybrid Inverter (Three Phase)

Product Description: Inverter used in PV system

Model No.: HYD 5KTL-3PH, HYD 6KTL-3PH;
HYD 8KTL-3PH, HYD 10KTL-3PH;

Trade Mark:



Rating:

Refer to page 2 to page 3

Intended Use:

PV System

Protection against Electric Shock:

Class I

Additional Information (if any):

IP 65

Software Version: V010019
DSP1 Software Version: V010018
DSP2 Software Version: V010018

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

Test Standard:

Engineering Recommendation G98 Issue 1 - Amendment 3 March
2019

as shown in the

Test Report Number(s):

GZES200702291201

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



2020-08-25

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Other information added :
Ratings

| Model | HYD 5KTL-3PH | HYD 6KTL-3PH | HYD 8KTL-3PH | HYD 10KTL-3PH |
|---|-----------------|-----------------|-----------------|------------------|
| PV String Input Data | | | | |
| Max. DC voltage | 1000V | | | |
| MPPT voltage range | 180V~960V | | | |
| Full power MPPT voltage range | 250V~850V | 320V~850V | 360V~850V | 220V~850V |
| Max. input current | 12.5A/12.5A | 12.5A/12.5A | 12.5A/12.5A | 25A/25A |
| Max. short current | 15A/15A | 15A/15A | 15A/15A | 30A/30A |
| Battery Input Data | | | | |
| Battery voltage range | 180V~800V | | | |
| Battery voltage range for full load | 200V~800V | 240V~800V | 320V~800V | 200V~800V |
| No. of battery input | 1 | | | 2 |
| Nominal charging/discharging power | 5000W | 6000W | 8000W | 10000W |
| Max. charging/discharging current | 25A | 25A | 25A | 50A (25A/25A) |
| AC Output Data (On-grid) | | | | |
| Nominal AC power | 5000W | 6000W | 8000W | 10000W |
| Max. AC power output to utility grid | 5500VA | 6600VA | 8800VA | 11000VA |
| Max. AC power from utility grid | 10000VA | 12000VA | 16000VA | 20000VA |
| Max. AC current output to utility grid | 8A | 10A | 13A | 16A |
| Rated AC current output to utility grid | 7.2A | 8.7A | 11.6A | 14.5A |
| Max. AC Current from utility grid | 15A | 17A | 24A | 29A |

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| | | | | |
|-------------------------------|--------------------------------|-----------|-----------|----------|
| Nominal output voltage | 3/N/PE, 230Vac | | | |
| Nominal output frequency | 50Hz | | | |
| Output power factor | ~1(0.8 leading to 0.8 lagging) | | | |
| AC Output Data (Back-up) | | | | |
| Nominal output power | 5000W | 6000W | 8000W | 10000W |
| Max. output power | 5500VA | 6600VA | 8800VA | 11000VA |
| Rated. output current | 7.2A | 8.7A | 11.6A | 14.5A |
| Max. output current | 8A | 10A | 13A | 16A |
| Peak output current, Duration | 15A, 60s | 18A, 60s | 24A, 60s | 30A, 60s |
| Nominal output voltage | 3/N/PE, 230Vac | | | |
| Nominal output frequency | 50Hz | | | |
| Output power factor | ~1(0.8 leading to 0.8 lagging) | | | |
| Operating temperature range | -30°C ~60°C | | | |
| Ingress protection | IP65 | | | |
| Protective class | Class I | | | |
| Cooling method | Heat sink | Heat sink | Heat sink | Fan |


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