



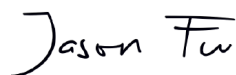
Test Verification of Conformity

Verification Number: 220531145GZU-VOC001

On the basis of the referenced test report(s), sample(s) tested of the below product have been found to comply with the standards harmonized with the directives listed on this verification at the time the tests were carried out. Other standards and Directives may be relevant to the product. This verification is part of the full test report(s) and should be read in conjunction with it <them>.

Once compliance with all product relevant  mark directives are verified, including any relevant e.g. risk assessment and production control, the manufacturer may indicate compliance by signing a Declaration of Conformity themselves and applying the mark to products identical to the tested sample(s).

| | |
|---|---|
| Applicant Name & Address: | Shenzhen SOFARSOLAR Co., Ltd. 11/F., Gaoxinqi Technology Building, No.67 Area, Xingdong Community, Xin'an Sub-district, Bao'an District, Shenzhen City, China. |
| Product Description: | Hybrid inverter |
| Ratings & Principle Characteristics: | See Appendix: Test Verification of Conformity |
| Models/Type References: | HYD 5KTL-3PH, HYD 6KTL-3PH, HYD 8KTL-3PH, HYD 10KTL-3PH, HYD 10KTL-3PH - A, HYD 15KTL-3PH, HYD 20KTL-3PH |
| Brand Name: |  |
| Relevant Standards/Directives: | IEC/EN 62109-1: 2010 Safety of power converters for use in photovoltaic power systems – Part 1: General requirements IEC/EN 62109-2: 2011 Safety of power converters for use in photovoltaic power systems – Part 2: Particular requirements for inverters Low Voltage Directive 2014/35/EU |
| Verification Issuing Office Name & Address: | Intertek Testing Services Shenzhen Ltd. Guangzhou Branch. Room 02, & 101/E201/E301/E401/E501/E601/E701/E801 of Room 01 1-8/F., No. 7-2. Caipin Road, Science City, GETDD, Guangzhou, Guangdong, China |
| Date of Tests: | 13 Sep 2022 to 12 Oct 2022 |
| Test Report Number(s): | 220531145GZU-001, 220531145GZU-002 |
| Additional information in Appendix. | |



Signature

Name: Jason Fu

Position: Supervisor

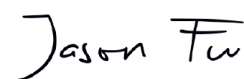
Date: 13 Oct 2022

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APPENDIX: Test Verification of Conformity

This is an Appendix to Test Verification of Conformity Number: 220531145GZU-VOC001.

| Model | HYD 5KTL-3PH | HYD 6KTL-3PH | HYD 8KTL-3PH |
|--|---------------------------|--------------|--------------|
| PV Input data | | | |
| Max. PV Input Voltage | 1000Vdc | | |
| Max. PV current | 2*12.5 A | | |
| Max. PV Isc | 2*15.0 A | | |
| AC output/Input data | | | |
| Rated output power [VA] | 5000 | 6000 | 8000 |
| Max. Input power for charging battery /Output apparent power[VA] | 5500 | 6600 | 8800 |
| Nominal voltage | 230 Vac | | |
| Max. input/Rated output current [a.c.A] | 15.0/7.2 | 17.0/8.7 | 24.0/13.0 |
| Nominal Frequency | 50/60 Hz | | |
| Power Factor range | 0.8 Leading ~ 0.8 Lagging | | |
| EPS output data | | | |
| Rated output apparent power | 5500VA | 6600VA | 8800VA |
| Nominal AC output voltage | 230 Vac | | |
| Nominal AC Frequency | 50Hz | | |
| Max. output current | 8.0A | 10.0A | 13.0A |
| Battery data | | | |
| Battery voltage range | 180 – 800 Vdc | | |
| Max continuous charging current | 25A | | |
| Max continuous discharging current | 25A | | |
| Type of battery | Lithium-ion | | |
| Ingress Protection | IP65 | | |
| Protective Class | Class I | | |
| Operating temperature range | -30°C - +60°C | | |
| FW Version | V2.00 | | |



Signature

Name: Jason Fu

Position: Supervisor

Date: 13 Oct 2022

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APPENDIX: Test Verification of Conformity

This is an Appendix to Test Verification of Conformity Number: 220531145GZU-VOC001.

| Model | HYD 10KTL-3PH HYD 10KTL-3PH-A | HYD 15KTL-3PH | HYD 20KTL-3PH |
|--|--|---------------|---------------|
| PV Input data | | | |
| Max. PV Input Voltage | 1000Vdc | | |
| Max. PV current | 2*25.0 A | | |
| Max. PV Isc | 2*30.0 A | | |
| AC output/Input data | | | |
| Rated output power [VA] | 10000 | 15000 | 20000 |
| Max. Input power for charging battery /Output apparent power[VA] | 11000 for model HYD 10KTL-3PH 10000 for model HYD 10KTL-3PH-A | 16500 | 22000 |
| Nominal voltage | 230Vac | | |
| Max. input/Rated output current [a.c.A] | 29.0/14.5 | 44.0/21.7 | 58.0/29.0 |
| Nominal Frequency | 50/60 Hz | | |
| Power Factor range | 0.8 Leading ~ 0.8 Lagging | | |
| EPS output data | | | |
| Rated. output apparent power | 11000 for model HYD 10KTL-3PH 10000 for model HYD 10KTL-3PH-A | 16500VA | 22000VA |
| Nominal AC output voltage | 230 Vac | | |
| Nominal AC Frequency | 50Hz | | |
| Max. output current | 16.0A | 24.0A | 32.0A |
| Battery data | | | |
| Battery voltage range | 180 – 800 Vdc | | |
| Max continuous charging current | 25A | | |
| Max continuous discharging current | 25A | | |
| Type of battery | Lithium-ion | | |
| Ingress Protection | IP65 | | |
| Protective Class | Class I | | |
| Operating temperature range | -30°C - +60°C | | |
| FW Version | V2.00 | | |

Jason Fu

Signature

Name: Jason Fu

Position: Supervisor

Date: 13 Oct 2022

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