

# Certificate of Conformity

Certificate Number: CN-PVES-240547

On the basis of the tests undertaken, the sample<s> of the below product have been found to comply with the requirements of the referenced specification<s>/standard<s> at the time the tests were carried out. It does not imply that Intertek has performed any surveillance or control of the manufacture(s). The manufacturer(s) shall ensure that the manufacturing process assures compliance of the production units with the examined products mentioned in this certificate.

|   |   |
|---|---|
| <b>Applicant:</b>                                     | Ningbo AUX Solar Technology Co., Ltd.<br>No. 17 Fenglin Road, Cicheng Town, Jiangbei District, Ningbo City, Zhejiang Province, China  |
| <b>Manufacturer:</b>                                  | Ningbo AUX Solar Technology Co., Ltd.<br>No. 17 Fenglin Road, Cicheng Town, Jiangbei District, Ningbo City, Zhejiang Province, China  |
| <b>Product:</b>                                       | Hybrid solar inverter   |
| <b>Ratings &amp; Principle Characteristics:</b>       | See appendix of Certificate of Conformity   |
| <b>Model:</b>   | ASG-5TL-ZH, ASG-6TL-ZH, ASG-8TL-ZH, ASG-10TL-ZH, ASG-12TL-ZH, ASG-15TL-ZH, ASG-20TL-ZH  |
| <b>Brand Name&lt;s&gt;:</b>                           | <b>AUXSOL</b>   |
| <b>Product Complies with:</b>                         | Commission Regulation (EU) 2016/631 of 14 April 2016 (NC RfG) establishing a network code on the requirements for connecting generating units to the network (Journal of Laws UE L 112/1 of 27 April 2016);<br>PSE:18 December 2018: General Application Requirements resulting from the Regulation of the EU Commission 2016/631 of April 14, 2016 establishing the network code on the requirements for connecting generating units to the grid - approved by the Decision of the President of the Energy Regulatory Office DRE.WOSE.7128.550.2. 2018.ZJ of January 2, 2019.<br>PTPIREE, 2021: Conditions and procedures for the use of certificates in the process of connecting power generation modules to power grids. Type approval for Type A PPMs<br>Type 1a product certification scheme according to ISO/IEC 17067:2013 Certification procedure SMS-PV-OP-19 |
| <b>Certificate Issuing Office Name &amp; Address:</b> | Intertek Testing Services Ltd. Shanghai<br>West Area, 2nd Floor, No. 707, Zhangyang Road<br>China (Shanghai) Pilot Free Trade Zone, Shanghai, P. R. China<br>Accredited by ACCREDIA in accordance with ISO/IEC 17065:2012   |
| <b>Test Report No.&lt;s&gt;:</b>                      | 240625078GZU-001, 06 December 2024  |

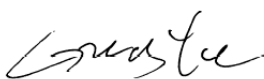
Additional information in Appendix.

**Signature**

**Certification Manager: Grady Ye**

**Issue Date: 17 December 2024**

**Valid until: 16 December 2029**



PRD N° 306B

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## APPENDIX: Certificate of Conformity

This is an Appendix to Certificate of Conformity Number: CN-PVES-240547

The following functionalities have been assessed based on the rules for the use of certificate for Power Park Modules (PPMs), as specified in chapter 7 and 9 of the PTPIREE 2021-04. The functions denoted “Not Applicable” in the table of chapter 7 has not been included.

| Capability  | NC RfG  | PSE 2018-12       | Type A | Assessment result |
|---|---------|-------------------|--------|-------------------|
| Frequency range   | 13.1(a) | 13.1(a)(i)        | x      | Compliant         |
| Rate of Change of Frequency (ROCOF) Withstand capability, df/dt | 13.1(b) | 13.1(b)           | x      | Compliant         |
| Remote cessation of active power                                | 13.6    | 13.6              | x      | Compliant         |
| Limited Frequency Sensitive Mode – Over frequency (LFSM-O)      | 13.2    | 13.2(a), (b), (f) | x      | Compliant         |

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### Ratings & Principle Characteristics:

| Model                           | ASG-5TL-ZH                | ASG-6TL-ZH | ASG-8TL-ZH |
|---------------------------------|---------------------------|------------|------------|
| Max. input voltage              | 1000VDC                   |            |            |
| MPPT voltage range              | 170VDC - 900VDC           |            |            |
| Max. input current              | 16A/16A                   |            | 26A/26A    |
| Max. PV Isc                     | 20A/20A                   |            | 32A/32A    |
| BAT operating voltage range     | 180VDC - 800VDC           |            |            |
| Max. BAT input/output current   | 30A/30A                   |            |            |
| Max. Grid output apparent power | 5.0kVA                    | 6.0kVA     | 8.0kVA     |
| Grid voltage                    | 3/N/PE, 380VAC/400VAC     |            |            |
| Rated output frequency          | 50Hz                      |            |            |
| Max. output current             | 11.4A                     | 13.6A      | 18.2A      |
| Adjustable power factor         | 0.8 Leading - 0.8 Lagging |            |            |
| Output AC (Back-up)             |                           |            |            |
| Back-up Nominal Apparent Power  | 5kVA                      | 6kVA       | 8kVA       |
| Max. output current             | 7.6A                      | 9.1A       | 12.1A      |
| Nominal Output Voltage          | 380VAC/400VAC             |            |            |
| Rated frequency                 | 50/60Hz                   |            |            |
| Degree of protection            | IP66                      |            |            |
| Protective class                | Class I                   |            |            |
| Operating ambient temperature   | -30℃ - +60 ℃              |            |            |
| Software version                | DSP: A6050; ARM: A3023    |            |            |

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| Model                           | ASG-10TL-ZH               | ASG-12TL-ZH | ASG-15TL-ZH | ASG-20TL-ZH |
|---------------------------------|---------------------------|-------------|-------------|-------------|
| Max. input voltage              | 1000VDC                   |             |             |             |
| MPPT voltage range              | 170VDC - 900VDC           |             |             |             |
| Max. input current              | 26A/26A                   |             | 36A/36A     |             |
| Max. PV Isc                     | 32A/32A                   |             | 45A/45A     |             |
| BAT operating voltage range     | 180VDC - 800VDC           |             |             |             |
| Max. BAT input/output current   | 30A/30A                   |             | 2*30A/2*30A |             |
| Max. Grid output apparent power | 10kVA                     | 12kVA       | 15kVA       | 20kVA       |
| Grid voltage                    | 3/N/PE, 380VAC/400VAC     |             |             |             |
| Rated output frequency          | 50Hz                      |             |             |             |
| Max. output current             | 22.7A                     | 27.3A       | 34.1A       | 45.5A       |
| Adjustable power factor         | 0.8 Leading - 0.8 Lagging |             |             |             |
| Output AC (Back-up)             |                           |             |             |             |
| Back-up Nominal Apparent Power  | 10kVA                     | 12kVA       | 15kVA       | 20kVA       |
| Max. output current             | 15.2A                     | 18.2A       | 22.7A       | 30.3A       |
| Nominal Output Voltage          | 380VAC/400VAC             |             |             |             |
| Rated frequency                 | 50/60Hz                   |             |             |             |
| Degree of protection            | IP66                      |             |             |             |
| Protective class                | Class I                   |             |             |             |
| Operating ambient temperature   | -30℃ - +60 ℃              |             |             |             |
| Software version                | DSP: A6050; ARM: A3023    |             |             |             |

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