Room 202, 2nd Floor, No.12th Building of Xinhe Tongfuyu Industrial Park, Fuhai Street, Baoan District,

Shenzhen, Guangdong, China

Tel: (86)755-85277785 Fax: (86)755-23705230

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Sunny Su File administrators

Report No.:AOC250620023R-R1

TEST REPORT

| Client company | : | Zhengxin (Dongguan) Energy Technology Co., Ltd. | | | | | |
|----------------------------------|-------|--|-------------------|--|--|--|--|
| Client address | : | Building 3, No. 7, Binnong 1st Road, Huangjiang Town Guangdong Province, China | າ, Dongguan City, | | | | |
| Manufacturer | : | Zhengxin (Dongguan) Energy Technology Co., Ltd. | | | | | |
| Address | : | Building 3, No. 7, Binnong 1st Road, Huangjiang Town Guangdong Province, China | າ, Dongguan City, | | | | |
| Report on the submitted | sam | ples said to be: | | | | | |
| Sample Name | : | Solar Inverter | | | | | |
| Trade Mark | : | Powermerry | | | | | |
| Style/ Item No. | : | SC-MAX 11KW II, VM 1.5K, VM 3K, VMII Plus 3.5KW, VMII F 3K-24V, MKSII 5K, VMIV 3.6KW, VMIV 5 .6KW, VMIV 4KW,V 8KW, SC-MAX 11KW, VII 5KW, VII 10.5KW,VMIV 4.2KW, VM 8KW II | MIV 6KW, SC-MAX | | | | |
| Sample Receiving Date | : | June 9, 2025 | | | | | |
| Testing Period | : | June 9, 2025 ~ June 20, 2025 | | | | | |
| Results | : | Please refer to next page(s). | | | | | |
| ********* | **** | *********************** | ******** | | | | |
| Summary of Test Result | s: | | | | | | |
| TEST REQUEST | | | CONCLUSION | | | | |
| A RoHS Directive (EU |) 201 | 5/863 amending Annex II to Directive 2011/65/EU. | POSITIVE | | | | |
| ********** | ***** | *************************************** | ******** | | | | |
| Signed for and on behalf of AOCE | | | | | | | |
| Written By: | | Surry Su Approved by: | Alice zhou | | | | |

Alice Zhou

Manager

Room 202, 2nd Floor, No.12th Building of Xinhe Tongfuyu Industrial Park, Fuhai Street, Baoan District,

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Results:

A. EU RoHS Directive 2011/65/EU and its amendment directives on XRF

Test method: With reference to IEC 62321-3-1:2013, Screening by X-ray Fluorescence Spectroscopy (XRF)

| Seq. | Tooted Double) | Results | | | | | |
|------|-------------------------|---------|----|----|----|----|--|
| No. | Tested Part(s) | Pb | Cd | Hg | Cr | Br | |
| 1 | Black plastic enclosure | BL | BL | BL | BL | BL | |
| 2 | Gray plastic enclosure | BL | BL | BL | BL | BL | |
| 3 | Black metal enclosure | BL | BL | BL | BL | BL | |
| 4 | Silver metal screw | BL | BL | BL | BL | BL | |
| 5 | Display | BL | BL | BL | BL | BL | |
| 6 | Black key | BL | BL | BL | BL | BL | |
| 7 | Chips of resistance | BL | BL | BL | BL | BL | |
| 8 | Chips of capacitance | BL | BL | BL | BL | BL | |
| 9 | PCB | BL | BL | BL | BL | BL | |
| 10 | Solder on PCB | BL | BL | BL | BL | BL | |

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Note:

-- = Not Conducted

* = Screening by XRF and detected by chemical method. The test results of chemical method please refer to next pages.

i Results were obtained by XRF for primary screening, and further chemical testing by ICP (for Cd, Pb, Hg), UV-Vis (for Cr(VI)) and GC-MS (for PBBs, PBDEs) are recommended to be performed, if the concentration exceeds the below warning value according to IEC 62321-3-1:2013.

| Element | Unit | nit Non-metal Metal | | Composite Material |
|---------|-------|---|--|---------------------------------------|
| Cd | mg/kg | BL≤70-3σ <x <130+3σ≤OL</x | BL≤70-3σ <x <130+3σ≤OL</x | BL≤50-3σ <x <150+3σ≤OL</x |
| Pb | mg/kg | BL≤700-3σ <x <1300+3σ≤OL</x | BL≤700-3σ <x <1300+3σ≤OL</x | BL≤500-3σ <x <1500+3σ≤OL</x |
| Hg | mg/kg | BL≤700-3σ <x <1300+3σ≤OL</x | BL≤700-3σ <x <1300+3σ≤OL</x | BL≤500-3σ <x <1500+3σ≤OL</x |
| Cr | mg/kg | BL≤700-3σ <x< td=""><td>BL≤700-3σ<x< td=""><td>BL≤500-3σ<x< td=""></x<></td></x<></td></x<> | BL≤700-3σ <x< td=""><td>BL≤500-3σ<x< td=""></x<></td></x<> | BL≤500-3σ <x< td=""></x<> |
| Br | mg/kg | BL≤300-3σ <x< td=""><td></td><td>BL≤250-3σ<x< td=""></x<></td></x<> | | BL≤250-3σ <x< td=""></x<> |

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Note:

BL = Below Limit
OL = Over Limit
X = Inconclusive

- The XRF screening test for RoHS elements The reading may be different to the actual content in the sample be of non-uniformity composition.
- iii The maximum permissible limit is quoted from the document 2005/618/EC amending RoHS directive 2011/65/EU:

| RoHS Restricted Substances | Maximum Concentration Value (mg/kg) (by weight in homogenous materials) |
|---------------------------------------|---|
| Cadmium (Cd) | 100 |
| Lead (Pb) | 1000 |
| Mercury (Hg) | 1000 |
| Hexavalent Chromium (Cr(VI)) | 1000 |
| Polybrominated biphenyls (PBBs) | 1000 |
| Polybrominated diphenylethers (PBDEs) | 1000 |

Disclaimers:

This XRF Screening report is for reference purposes only. The applicant shall make its/his/her own judgment as to whether the information provided in this XRF screening report is sufficient for its/his/her purposes.

The result shown in this XRF screening report will differ based on various factors, including but not limited to, the sample size, thickness, area, surface flatness, equipment parameters and matrix effect (e.g. plastic, rubber, metal, glass, ceramic etc.). Further wet chemical pre-treatment with relevant chemical equipment analysis are required to obtain quantitative data.

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B. The Test Results of Chemical Method:

Test method:

Lead & Cadmium Content:

With reference to IEC 62321-5:2013, by acid digestion and analysis was performed by inductively coupled plasma atomic emission spectrometer (ICP-AES)

Mercury Content:

With reference to IEC 62321-4:2013, by acid digestion and analysis was performed by inductively coupled plasma atomic emission spectrometer (ICP-AES)

Hexavalent Chromium Content:

With reference to IEC 62321-7-1:2013, by alkaline digestion and analysis was performed by UV-visible spectrophotometer (UV-Vis)

PBBs & PBDEs Content:

With reference to IEC 62321-6:2015, by solvent extraction and analysis was performed by gas chromatographic-mass spectrometer (GC-MS)

1) The test results of Lead (Pb)

| Item | Unit | MDL | Res | ults | Limit |
|-------------------|-------|------|------|------|------------|
| | Onit | MIDE | (2) | (43) | Lillit |
| Lead Content (Pb) | mg/kg | 2 | 38 | 21 | 1000 mg/kg |
| Conclusion | 1 | 1 | Pass | Pass | / |

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2) The test results of PBBs & PBDEs

| 160 | I I mit | MDL | Res | ults | l imais |
|---|---------|------|------|------|------------|
| Item | Unit | MIDL | 4 | 42 | Limit |
| Polybrominated Biphenyls (PBBs) | | | | | |
| Monobromobiphenyl | mg/kg | 5 | N.D. | N.D. | |
| Dibromobiphenyl | mg/kg | 5 | N.D. | N.D. | |
| Tribromobiphenyl | mg/kg | 5 | N.D. | N.D. | |
| Tetrabromobiphenyl | mg/kg | 5 | N.D. | N.D. | |
| Pentabromobiphenyl | mg/kg | 5 | N.D. | N.D. | |
| Hexabromobiphenyl | mg/kg | 5 | N.D. | N.D. | |
| Heptabromobiphenyl | mg/kg | 5 | N.D. | N.D. | |
| Octabromobiphenyl | mg/kg | 5 | N.D. | N.D. | |
| Nonabromodiphenyl | mg/kg | 5 | N.D. | N.D. | |
| Decabromodiphenyl | mg/kg | 5 | N.D. | N.D. | |
| Total content | mg/kg | 1 | N.D. | N.D. | 1000 mg/kg |
| Polybrominated Diphenylethers (PBDEs)(Mon-Deca) | | | | | |
| Monobromodiphenyl ether | mg/kg | 5 | N.D. | N.D. | |
| Dibromodiphenyl ether | mg/kg | 5 | N.D. | N.D. | |
| Tribromodiphenyl ether | mg/kg | 5 | N.D. | N.D. | |
| Tetrabromodiphenyl ether | mg/kg | 5 | N.D. | N.D. | |
| Pentabromodiphenyl ether | mg/kg | 5 | N.D. | N.D. | |
| Hexabromodiphenyl ether | mg/kg | 5 | N.D. | N.D. | |
| Heptabromodiphenyl ether | mg/kg | 5 | N.D. | N.D. | |
| Octabromodiphenyl ether | mg/kg | 5 | N.D. | N.D. | |
| Nonabromodiphenyl ether | mg/kg | 5 | N.D. | N.D. | |
| Decabromodiphenyl ether | mg/kg | 5 | N.D. | N.D. | |
| Total content | mg/kg | 1 | N.D. | N.D. | 1000 mg/kg |

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| Item | Unit | t MDL | | Limit | | | | |
|----------------------------|-------|-------|---------|-------|------|-------|-------|------------|
| item | Offic | IVIDE | (1) | (4) | (6) | (7) | (9) | LIIIII |
| Dibuyl Phthalate(DBP) | mg/kg | 50 | N.D. | N.D. | N.D. | N.D. | N.D. | 1000 mg/kg |
| Benzylbutyl Phthalate(BBP) | mg/kg | 50 | N.D. | N.D. | N.D. | N.D. | N.D. | 1000 mg/kg |
| Bis(2-ethylhexyl) | ma/ka | 50 | 50 N.D. | N.D. | N.D. | N.D. | N.D. | 1000 mg/kg |
| Phthalate(DEHP) | mg/kg | | N.D. | N.D. | N.D. | IN.D. | IN.D. | 1000 mg/kg |
| Diispbutyl phthalate(DIBP) | mg/kg | 50 | N.D. | N.D. | N.D. | N.D. | N.D. | 1000 mg/kg |

| Item | l loit | Unit MDL | | | Limit | | | |
|-----------------------------------|--------|----------|------|------|-------|------|------|------------|
| item | Offic | | (12) | (14) | (15) | (17) | (19) | Lillin |
| Dibuyl Phthalate(DBP) | mg/kg | 50 | N.D. | N.D. | N.D. | N.D. | N.D. | 1000 mg/kg |
| Benzylbutyl Phthalate(BBP) | mg/kg | 50 | N.D. | N.D. | N.D. | N.D. | N.D. | 1000 mg/kg |
| Bis(2-ethylhexyl) Phthalate(DEHP) | mg/kg | 50 | N.D. | N.D. | N.D. | N.D. | N.D. | 1000 mg/kg |
| Diispbutyl phthalate(DIBP) | mg/kg | 50 | N.D. | N.D. | N.D. | N.D. | N.D. | 1000 mg/kg |

| Item | l lmit | MDL | | Limit | | | | |
|----------------------------|--------|-------|---------|-------|-------|-------|----------|------------|
| item | Unit | IVIDE | (20) | (22) | (25) | (27) | 27) (29) | Lillit |
| Dibuyl Phthalate(DBP) | mg/kg | 50 | N.D. | N.D. | N.D. | N.D. | N.D. | 1000 mg/kg |
| Benzylbutyl Phthalate(BBP) | mg/kg | 50 | N.D. | N.D. | N.D. | N.D. | N.D. | 1000 mg/kg |
| Bis(2-ethylhexyl) | ma/ka | 50 | 50 N.D. | N.D. | N.D. | N.D. | N.D. | 1000 |
| Phthalate(DEHP) | mg/kg | | IN.D. | IN.D. | IN.D. | IN.D. | IN.D. | 1000 mg/kg |
| Diispbutyl phthalate(DIBP) | mg/kg | 50 | N.D. | N.D. | N.D. | N.D. | N.D. | 1000 mg/kg |

| Item | Unit | MDL | | Limit | | | | |
|-----------------------------------|-------|-------|------|-------|------|------|------|------------|
| | | IVIDE | (31) | (32) | (33) | (34) | (35) | Limit |
| Dibuyl Phthalate(DBP) | mg/kg | 50 | N.D. | N.D. | N.D. | N.D. | N.D. | 1000 mg/kg |
| Benzylbutyl Phthalate(BBP) | mg/kg | 50 | N.D. | N.D. | N.D. | N.D. | N.D. | 1000 mg/kg |
| Bis(2-ethylhexyl) Phthalate(DEHP) | mg/kg | 50 | N.D. | N.D. | N.D. | N.D. | N.D. | 1000 mg/kg |
| Diispbutyl phthalate(DIBP) | mg/kg | 50 | N.D. | N.D. | N.D. | N.D. | N.D. | 1000 mg/kg |

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| Item | Unit MDL (36) | MDI | | Limit | | | | |
|-----------------------------------|---------------|------|------|-------|------|------|---------|------------|
| item | | (36) | (37) | (38) | (39) | (40) | Liffiit | |
| Dibuyl Phthalate(DBP) | mg/kg | 50 | N.D. | N.D. | N.D. | N.D. | N.D. | 1000 mg/kg |
| Benzylbutyl Phthalate(BBP) | mg/kg | 50 | N.D. | N.D. | N.D. | N.D. | N.D. | 1000 mg/kg |
| Bis(2-ethylhexyl) Phthalate(DEHP) | mg/kg | 50 | N.D. | N.D. | N.D. | N.D. | N.D. | 1000 mg/kg |
| Diispbutyl phthalate(DIBP) | mg/kg | 50 | N.D. | N.D. | N.D. | N.D. | N.D. | 1000 mg/kg |

| Item | Unit | MDL | | | Limit | | | | |
|---|-------|------|------|------|-------|--------------|------|------------|--|
| lem | Unit | WIDL | (41) | (42) | (44) | (44) (45) (4 | (46) | Liiiii | |
| Dibuyl Phthalate(DBP) | mg/kg | 50 | N.D. | N.D. | N.D. | N.D. | N.D. | 1000 mg/kg | |
| Benzylbutyl Phthalate(BBP) | mg/kg | 50 | N.D. | N.D. | N.D. | N.D. | N.D. | 1000 mg/kg | |
| Bis(2-ethylhexyl) | mg/kg | 50 | N.D. | N.D. | N.D. | N.D. | N.D. | 1000 mg/kg | |
| Phthalate(DEHP) Diispbutyl phthalate(DIBP) | mg/kg | 50 | N.D. | N.D. | N.D. | N.D. | N.D. | 1000 mg/kg | |

| Item | Unit | MDL | Results | | | | Limit |
|-----------------------------------|-------|-----|---------|------|------|------|------------|
| | | | (47) | (48) | (49) | (50) | Limit |
| Dibuyl Phthalate(DBP) | mg/kg | 50 | N.D. | N.D. | N.D. | N.D. | 1000 mg/kg |
| Benzylbutyl Phthalate(BBP) | mg/kg | 50 | N.D. | N.D. | N.D. | N.D. | 1000 mg/kg |
| Bis(2-ethylhexyl) Phthalate(DEHP) | mg/kg | 50 | N.D. | N.D. | N.D. | N.D. | 1000 mg/kg |
| Diispbutyl phthalate(DIBP) | mg/kg | 50 | N.D. | N.D. | N.D. | N.D. | 1000 mg/kg |

Note:

- N.D. = Not Detected or less than MDL
- mg/kg = ppm
- MDL = Method Detection Limit
- Photo appendix is included.

Shenzhen, Guangdong, China

Tel: (86)755-85277785 Fax: (86)755-23705230

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Appendix Photograph of Sample

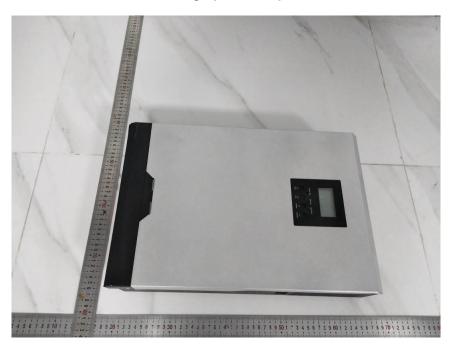


Fig.1



Fig.2

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Fig.3



Fig.4

AOCE authenticate the photo on original report only

******* End of Report *********