



中国认可
国际互认
检测
TESTING
CNAS L15446

Verification Report

Report No.: JCBG(M)20230109008-E

Test Item: Random vibration (packaging) Sinusoidal
vibration (bare machine) Random vibration
(bare machine)

Product Name: Grid Support Utility Interactive Inverter

Type/Model: A1-HYB-7.6K-G2

Requester: SolaX Power Network Technology
(Zhejiang) Co., Ltd.

Test Result: Pass

Hangzhou T3T Technologies Co., Ltd.





Revision history

The date	Revised version	describe	The author
2023-01-13	V1.0	complete the first draft	Meishuai Zhan

**Basic sample information and conclusion**

Sample name: Grid Support Utility Interactive Inverter

Model: A1-HYB-7.6K-G2

Samples number: EUT-1: 230109048

Samples quantity: 1 pcs

Samples quantity: 36kg

Sample size: 836.76*410.92*174.4 (L*W*H) mm

Hardware version: NA

Software version: NA

Package type: A1-HYB-3.8K-G2,A1-HYB-5.0K-G2,A1-HYB-6.0K-G2,A1-SMT-7.6K-G2,A1-AC-3.8K-G2,A1-AC-5.0K-G2,A1-AC-6.0K-G2,A1-AC-7.6K-G2,A1-SMT-3.8K-G2,A1-SMT-5.0K-G2andA1-SMT-6.0K-G2 Both are A1-HYB-7.6K-G2 packaging models. They are the same material in terms of material, process and manufacturer.

Remarks	The above sample information is provided by the customer.		
Manufacturer	SolaX Power Network Technology (Zhejiang) Co. ,Ltd.	Address	Shizhu Road, Tonglu Economic Development Zone, Tonglu City,Zhejiang Province, 310000 P. R. CHINA
Requester	SolaX Power Network Technology (Zhejiang) Co. ,Ltd.	Address	Shizhu Road, Tonglu Economic Development Zone, Tonglu City,Zhejiang Province, 310000 P. R. CHINA
Principal	Jason.Shen	Contact information	+86-571-56260011
Number of samples	1Pcs	Sample way	Commissioned test
Date of receipt	2023-01-06	Test date	2023-01-07~2023-01-09
Test basis	IEC 60068-2-6:2007、IEC 60068-2-64:2008		
Test items	Verify the adaptability of the tested samples under random vibration (packaging) sinusoidal vibration (bare machine) random vibration (bare machine) and other environmental conditions		
Test conclusion	The appearance of the tested sample is tested according to the requirements of the identification criteria, and the test result of the tested item is qualified.		
Date of issue	January 13, 2023		

Writer:

Meishuai Zhan

Mei shuai Zhan

Checker:

Xiaowang Xu

Xiaowang Xu

Approver:

Xiaowang Xu

Xiaowang Xu



Equipment of testing

NO	Equipment name	Model	Equipment No.	Calibration date
1	Electrodynamic vibration tester	DC-6500-65	T3T(R)-13	2023-12-22
2	1#sensor	2107CM	T3T(R)-67	2023-12-22
3	Thermometer	HTC-1	T3T(R)-59	2023-12-15
4	Smart numbers Atmospheric pressure gauge	DPH-101	T3T(R)-62	2023-12-15

Experimental environmental conditions

Ambient Temperature	+16.5°C~+18.1°C
Environment humidity	55%RH ~63%RH
Environment at atmospheric Pressure	102.1kPa ~102.3kPa
Detection location	T3T Testing First Floor Reliability Laboratory

Distribution of samples

EUT-1: Random vibration (packaging) Sinusoidal vibration (bare machine) Random vibration (bare machine)

other instructions

1. For cartons/cartons: internal products, accessories, etc. shall not be worn out of the outer packing box, resulting in the surface of the outer packing box puncture; The packing case and adhesive tape must not be cracked. As a result, the outer packing case cannot properly pack products.
2. The appearance is not allowed to deform; The appearance of the whole machine is not allowed to produce scratches, bumps, pits, bottom, paint, obvious wear marks and other damage; Do not allow the buckle to fall off or break.



Photos of sample layouts



Fixed photos of Z-axis Random vibration (packaging) vibration



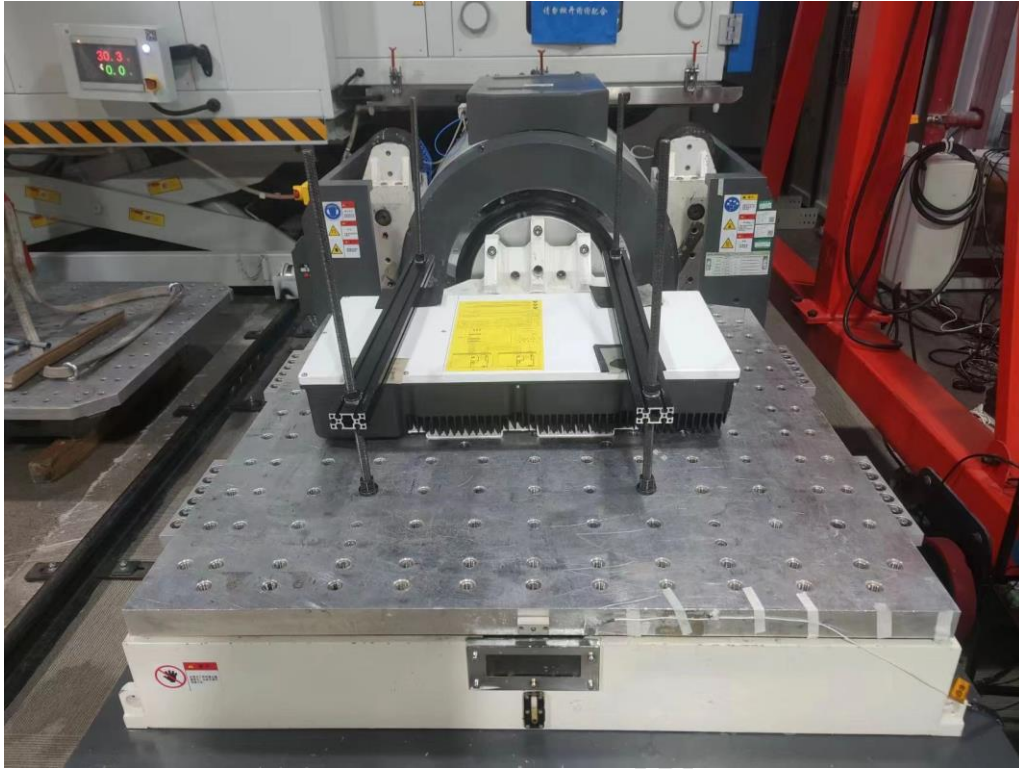
Fixed photos of X-axis Random vibration (packaging) vibration



Fixed photos of Y-axis Random vibration (packaging) vibration



Fixed photos of Z-axis Sinusoidal vibration (bare machine) Random vibration (bare machine) vibration



Fixed photos of X-axis Sinusoidal vibration (bare machine) Random vibration (bare machine) vibration



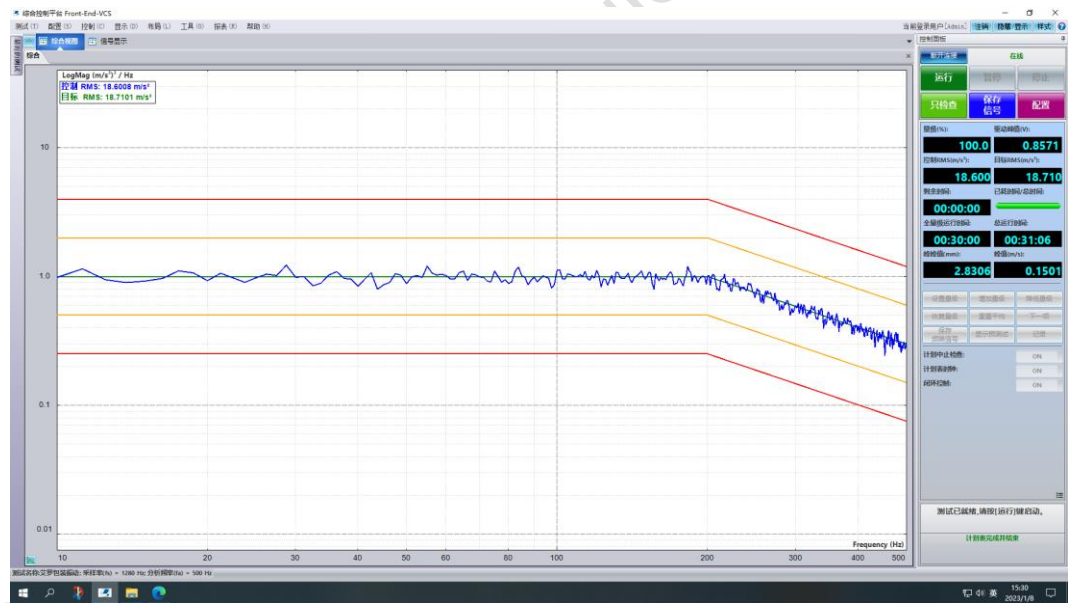
Fixed photos of Y-axis Sinusoidal vibration (bare machine) Random vibration (bare machine) vibration



Random vibration (packaging) test conclusion

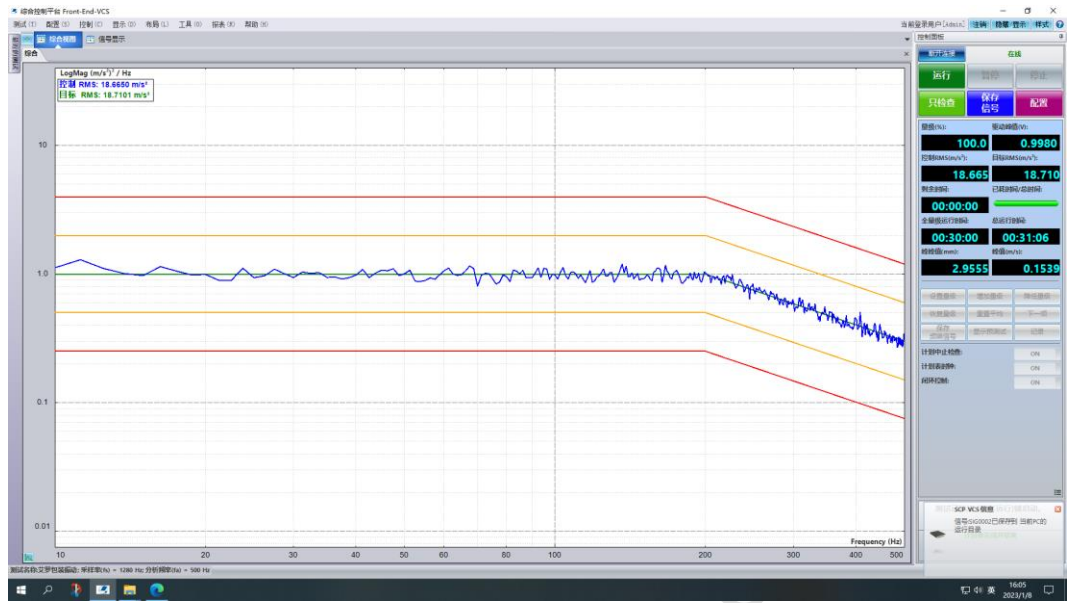
Technical requirements	Test results	Determine
<p>Sample status: Packing material</p> <p>10Hz: 1.0 (m/s²)²/Hz</p> <p>10Hz: 1.0 (m/s²)²/Hz</p> <p>200Hz: 1.0 (m/s²)²/Hz</p> <p>500Hz: 0.3 (m/s²)²/Hz</p> <p>Each axis to 0.5h</p>	<p>The appearance and structure of the preliminary sample are normal.</p> <p>The appearance and structure of the final test samples are normal.</p>	<p>Pass</p>

Note X

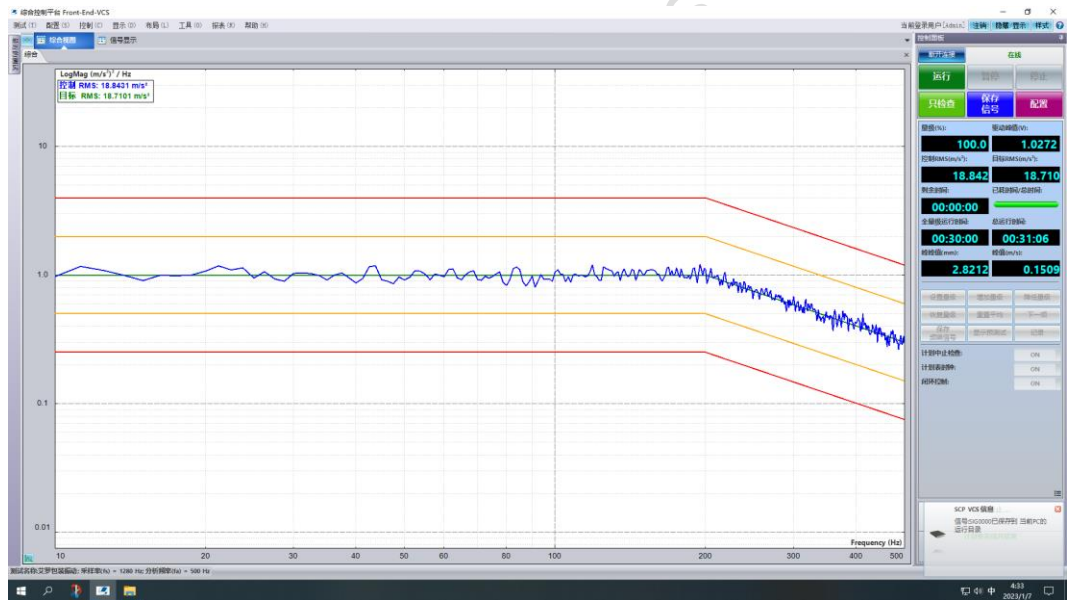




Note Y



Note Z



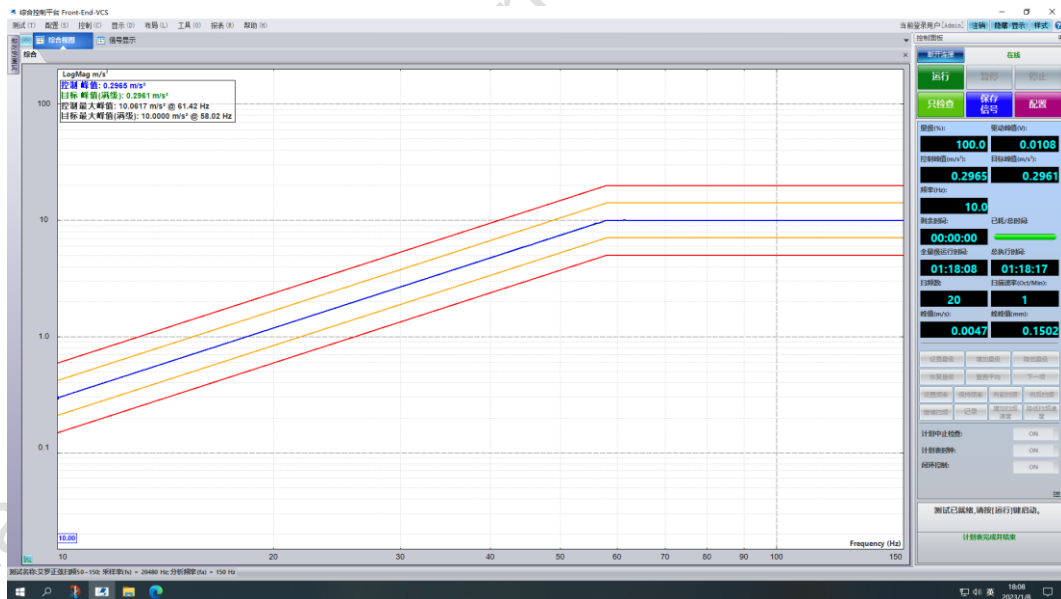
Test engineer: Yang Bo and Meishuai Zhan



Sinusoidal vibration (bare machine) test conclusion

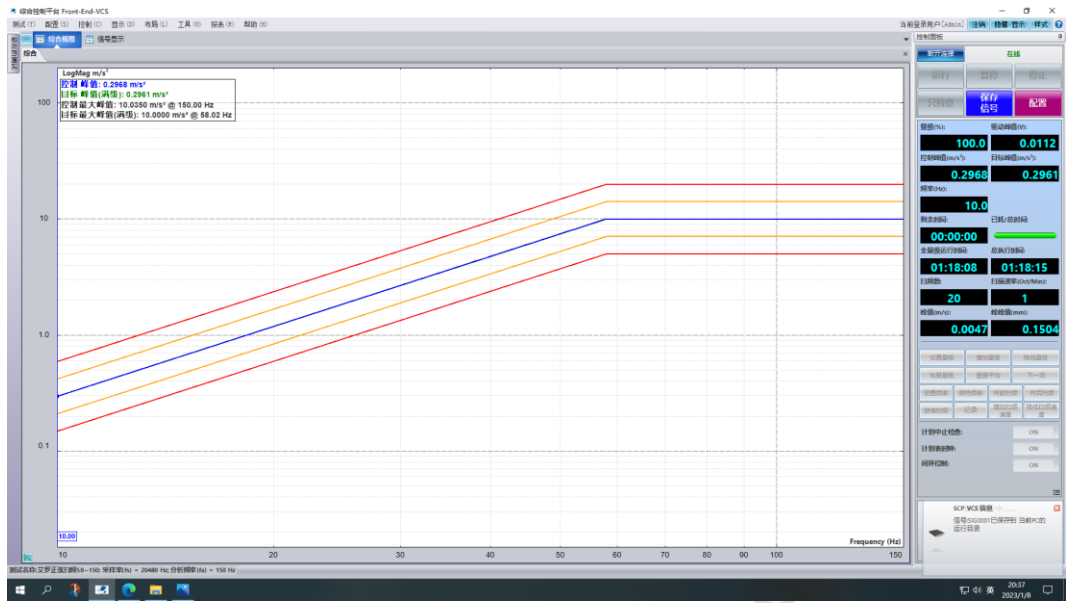
Technical requirements	Test results	Determine
<p>Sample status: bare machine</p> <p>Test frequency:</p> <p>10~58 Hz :amplitude 0.075mm</p> <p>58~150Hz: acceleration 10m/s²</p> <p>Number of sweep cycles: 10 cycles in each of the X, Y, and Z axes,</p> <p>vibration control mode: two-point controlSweep rate:1 Oct/min</p> <p>Power supply situation: Power off during test.</p>	<p>The appearance and structure of the preliminary sample are normal.</p> <p>The appearance and structure of the final test samples are normal.</p>	<p>Pass</p>

Note X

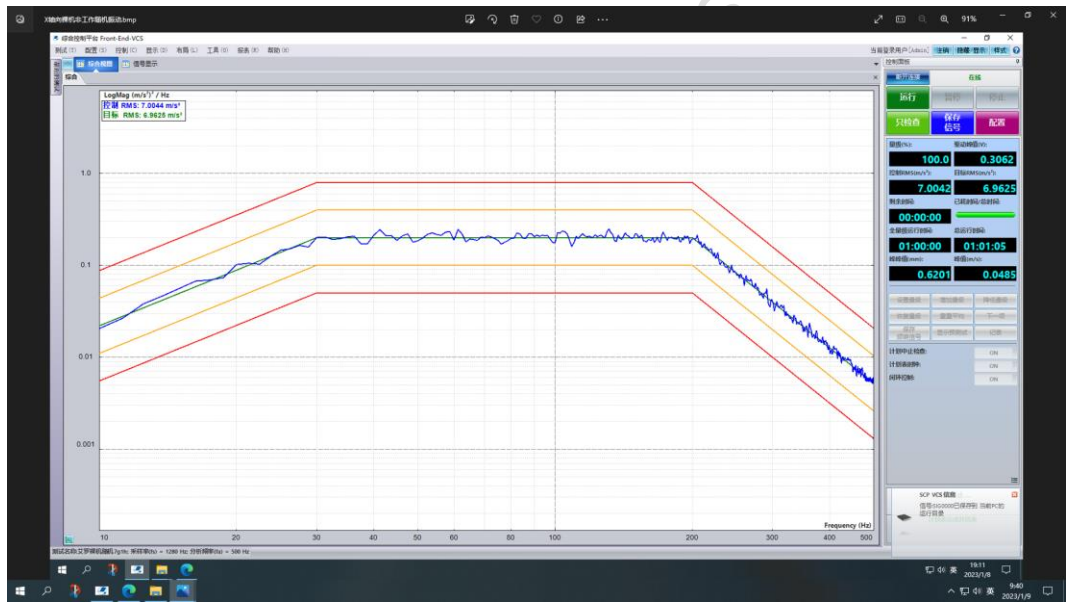




Note Y



Note Z



Test engineer: Yang Bo and Meishuai Zhan



Random vibration (bare machine) test conclusion

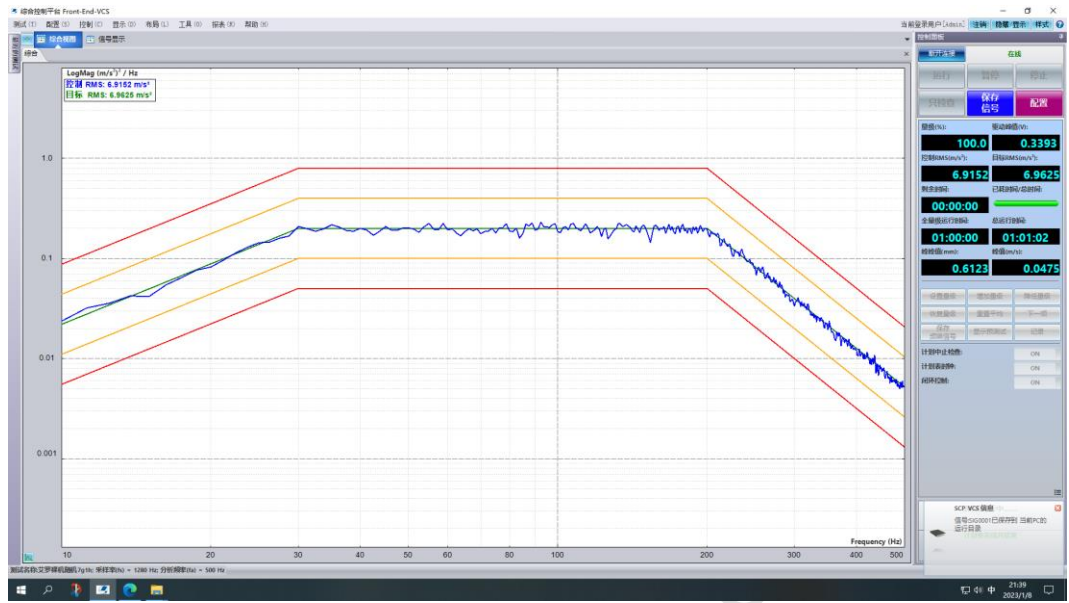
Technical requirements	Test results	Determine
<p>Sample status: bare machine</p> <p>10Hz: 0.022 (m/s²)²/Hz</p> <p>30Hz: 0.2 (m/s²)²/Hz</p> <p>200Hz: 0.2 (m/s²)²/Hz</p> <p>500Hz: 0.0052 (m/s²)²/Hz</p> <p>Each axis to 1h</p> <p>Power supply situation: Power off during test.</p>	<p>The appearance and structure of the preliminary sample are normal.</p> <p>The appearance and structure of the final test samples are normal.</p>	<p>Pass</p>

Note X





Note Y



Note Z



Test engineer: Yang Bo and Meishuai Zhan

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