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Test Report

Applicant	:	Ningbo Ginlong Technologies Co.,Ltd.
Address	:	No. 57 Jintong Road, Seafront(Binhai) Industrial Park, Xiangshan, Ningbo, Zhejiang, 315712,P.R.China
Manufacturer	:	Ningbo Ginlong Technologies Co.,Ltd.
Address	:	No. 57 Jintong Road, Seafront(Binhai) Industrial Park, Xiangshan, Ningbo, Zhejiang, 315712,P.R.China
Sample Name	:	Solis-30K
Model/Type	:	Solis-20K、Solis-25K、Solis-30K、Solis-36K-HV、Solis-40K-HV URE-20K、URE-25K、URE-30K、URE-36K-HV、URE-40K-HV
Received Date	:	Mar. 16, 2016
Testing Period	:	Mar. 17, 2016~ Mar. 24, 2016
Test Item	:	Low Temperature Test; High Temperature Test; Thermal Shock Test; Temperature and Humidity Storage Test
Testing Requested	:	IEC60068-2-1-2007; IEC60068-2-2-2007; IEC60068-2-14-2005; IEC60068-2-30-2009
Testing Results	:	Please refer to page 3, 6, 9, 12.

Signed for and on behalf of
EMTEK (Shenzhen) Co., Ltd.

Inspected by: Zuo Luo _____ Reviewed by: Shine _____ Approved by: Lewis _____

Zuo Luo — Inspected engineer

Shine — Reviewed engineer

Lewis — Authorized signatory

Apr. 08, 2016

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Tested Sample:

Sample No.	Sample Name	Model/Type	Quantity
EM160105006RE003-001	Solis-30K	Solis-20K、Solis-25K、Solis-30K、Solis-36K-HV、Solis-40K-HV URE-20K、URE-25K、URE-30K、URE-36K-HV、URE-40K-HV	1 PC

Test Sequence:

Test Sequence	Test Item	Sample No.
1	Low Temperature Test	001
2	High Temperature Test	
3	Thermal Shock Test	
4	Temperature and Humidity Storage Test	

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Test Item 1: Low Temperature Test

(1) Test Equipment:

Name	Model	Serial No.	Valid Date to
Temperature & Humidity Test Chamber	DSW1440	ER-005	May. 24, 2016

(2) Environmental Conditions: Temperature: 23.5℃; Humidity: 56%RH

(3) Test Sample: EM160105006RE003-001

(4) Reference Standard: IEC60068-2-1-2007

(5) Test Conditions:

Low Temperature Test: －25℃→－30℃→－35℃→－40℃→－45℃→－50℃
Each temperature is maintained at 4 hours, and at the end of each temperature point, start the machine, and it is fully loaded with 10mins.

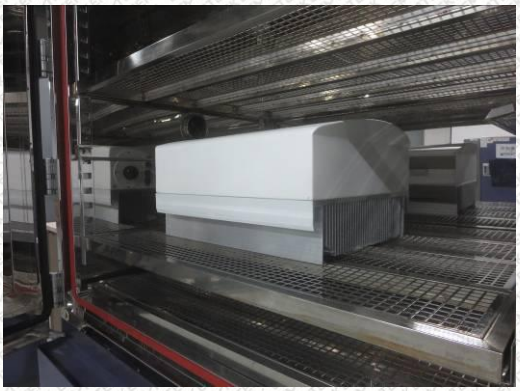
(6) Acceptance Criteria: Appearance and function.

(7) Test Results: After the test, there was no change on the appearance of sample. Function was normal.

(8) Test Photos and Curves Refer to Appendix

Test Report

Appendix: Low Temperature Test Photos

		
Before the test		In the test
		/
After the test		/

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Appendix: Low Temperature Test Curves

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Test Item 2: High Temperature Test

(1) Test Equipment:

Name	Model	Serial No.	Valid Date to
Temperature & Humidity Test Chamber	DSW0240	ER-011	Jul. 09, 2016

(2) Environmental Conditions: Temperature: 23.5℃; Humidity: 56%RH

(3) Test Sample: EM160105006RE003-001

(4) Reference Standard: IEC60068-2-2-2007

(5) Test Conditions:

Sample status: Inverter full load working with thermal sensor removed.
High Temperature Test: 60℃, 72 hours

(6) Acceptance Criteria: Appearance and function.

(7) Test Results: After the test, there was no change on the appearance of sample. Function was normal.

(8) Test Photos and Curves Refer to Appendix

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Appendix: High Temperature Test Photos

		
Before the test		In the test
		/
After the test		/

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Appendix: High Temperature Test Curves

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Test Item 3: Thermal Shock Test

(1) Test Equipment:

Name	Model	Serial No.	Valid Date to
Temperature thermal shock chamber	TS300	ER-007	May. 06, 2016

(2) Environmental Conditions: Temperature: 23.5℃; Humidity: 56%RH

(3) Test Sample: EM160105006RE003-001

(4) Reference Standard: IEC60068-2-14-2005

(5) Test Conditions:

Sample status: Inverter full load working.
Thermal Shock Test: a) －25℃, keep 1h → 60℃, keep 1h b) Cycling 36 times, a total of 72 hours c) Temperature conversion time: ＜10s

(6) Acceptance Criteria: Appearance and function.

(7) Test Results: After the test, there was no change on the appearance of sample. Function was normal.

(8) Test Photos and Curves Refer to Appendix

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Appendix: Thermal Shock Test Photos

		
Before the test		In the test
		/
After the test		/

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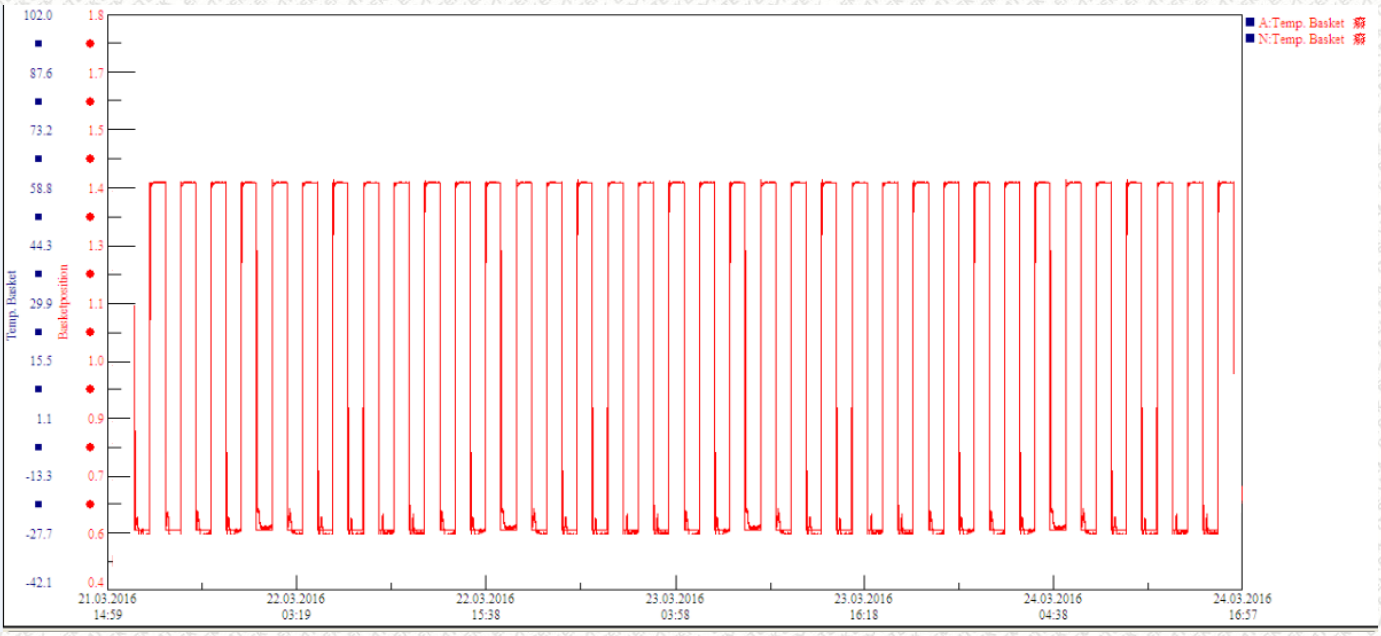
Appendix: Thermal Shock Test Curves



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Test Item 4: Temperature and Humidity Storage Test

(1) Test Equipment:

Name	Model	Serial No.	Valid Date to
Rapid temperature change test chamber	QW0570P2W10	ER-069	May. 24, 2016

(2) Environmental Conditions: Temperature: 23.5℃; Humidity: 56%RH

(3) Test Sample: EM160105006RE003-001

(4) Reference Standard: IEC60068-2-30-2009

(5) Test Conditions:

Sample status: Non working status
Temperature and Humidity Storage Test: 75℃, 98%RH, keep 120 hours

(6) Acceptance Criteria: Appearance and function.

(7) Test Results: After the test, there was no change on the appearance of sample. Function was normal.

(8) Test Photos and Curves Refer to Appendix

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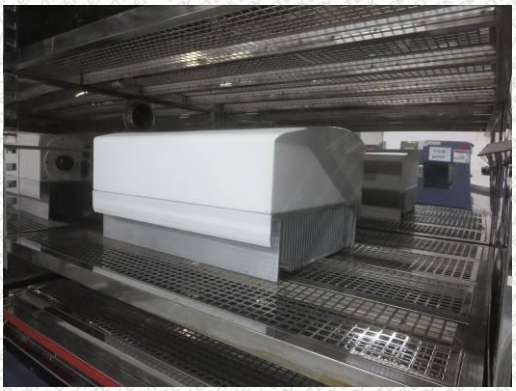
Appendix: Temperature and Humidity Storage Test Photos

		
Before the test		In the test
		
After the test		Temperature display

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