

TEST REPORT



REPORT NO.: CTNT230726022R

Product name: Car Refrigerator

Model No.: VX28

Applicant: Nanjing Hongyuan Renewable Energy Technology Co., Ltd

Test procedure: Entrustment Inspection

Shenzhen Zhongwei Testing Technology Co., Ltd.



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TEST REPORT 10 CFR 430.32(a). (Appendix A to Subpart B of Part 430)	
Report Number :	CTNT230726022R
Date of issue	Aug.28,2023
Name of Testing Laboratory preparing the Report	Shenzhen Zhongwei Testing Technology Co., Ltd. Room 1A106, 1/F., No.109, Lijia Road, Henggang, Henggang Street, Longgang District, Shenzhen, Guangdong, China Tel: 086-755-28680489 E-mail: admin@ctnt-cert.com Web: www.ctnt-cert.com
Applicant's name	Nanjing Hongyuan Renewable Energy Technology Co., Ltd
Address	ROOM 5012 NanYou RD ,Jiangning District,Nanjing,China
Test specification:	
Standard	10 CFR 430.32(a). (Appendix A to Subpart B of Part 430) as applicable; AHAM HRF-1-2019
Test procedure	<input checked="" type="checkbox"/> DOE: Appendix A to Subpart B of Part 430 - Uniform Test Method for Measuring the Energy Consumption of Refrigerators, Refrigerator-Freezers, and Miscellaneous Refrigeration Products
Non-standard test method	N/A
Test Report Form No.	DOE- BC-RRF
Test Report Form(s) Originator	1.0
Master TRF	CTNT
General disclaimer:	
<p>The test results presented in this report relate only to the object tested.</p> <p>This report shall not be reproduced, except in full, without the written approval of the Issuing CTNT Testing Laboratory. The authenticity of this Test Report and its contents can be verified by contacting the CTNT, responsible for this Test Report.</p>	
Test item description :	Car Refrigerator
Model/Type reference :	VX28
Trade Mark :	ACOPOWER/LIONCOOLER
Manufacturer	Guangdong Minghua Auto Equipment Technology Co., Ltd.
Address	#601, Block 4, Shiyou Industrial Park, No. 194, Junyi Road, Shatou Community, Jun'an Town, Shunde District, Foshan City, Guangdong Province, P.R. China
Ratings :	12V/24V= (Powered by external driver Input:100-240V~ 50/60Hz, Out put: 14.5V= 6.0A)

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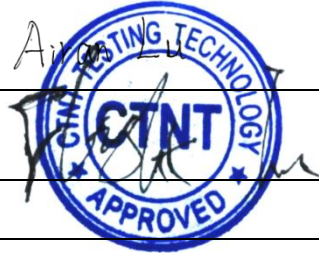
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Responsible Testing Laboratory (as applicable), testing procedure and testing location(s):

Laboratory Name	Shenzhen Zhongwei Testing Technology Co., Ltd.	
Testing location/ address	Room 1A106, 1/F., No.109, Lijia Road, Henggang, Henggang Street, Longgang District, Shenzhen, Guangdong, China	
Tested by(Test Engineer).....	Steve Zhou	<i>Steve Zhou</i>
Reviewed By(Supervisor)	Airan Lu	<i>Airan Lu</i>
Approved by(Chief Engineer).....	Flight Lee	<i>Flight Lee</i>



Summary of testing:

<p>Tests performed (name of test and test clause):</p> <p>Determination of the result includes consideration of measurement uncertainty from the test equipment and methods.</p> <p>A representative sample of the product covered by this report has been tested and complies with the applicable requirements of 10 CFR 430.32(a).</p>	<p>Testing location:</p> <p>Shenzhen Zhongwei Testing Technology Co., Ltd. Room 1A106, 1/F., No.109, Lijia Road, Henggang, Henggang Street, Longgang District, Shenzhen, Guangdong, China Tel: 086-755-28680489 E-mail: admin@cnt-cert.com Web: www.cnt-cert.com</p>
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General conditions for measurements:

<p>1. Test Room</p> <p>The ambient temperature shall be maintained at 90.0 ±1 °F. (32.2 ± 0.6 °C.)</p> <p>2. Power supply</p> <p>The electrical power supply shall be 115 ± 1 V, 60 Hz at the product service connection. The actual voltage shall be maintained and recorded throughout the test. Instantaneous voltage fluctuations caused by the turning on or off of electrical components shall not be considered.</p> <p>3. Supply voltage waveform</p> <p>The total harmonic content of the supply voltage when supplying the appliance under test in the specified mode shall not exceed 2 %; harmonic content is defined as the root-mean-square (r.m.s.) summation of the individual components using the fundamental as 100 %.</p> <p>4. Power measurement accuracy</p> <p>Precision measurement of energy consumption shall be made with a precision equal to the greater of 0.1 Watt-hour or 1% of full-scale measurement.</p>

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