

Product name:

TEST REPORT

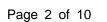
Model No.: PX50

Applicant: Nanjing Hongyuan Renewable Energy Technology Co., Ltd

Car Refrigerator

Test procedure: Entrustment Inspection







TEST REPORT

10 CFR 430.32(a). (Appendix A to Subpart B of Part 430)

Report Number....: CTNT230726025R

Date of issue: Aug.28,2023

Shenzhen Zhongwei Testing Technology Co., Ltd.

Room 1A106, 1/F., No.109, Lijia Road, Henggang, Henggang

Name of Testing Laboratory

Street, Longgang District, Shenzhen, Guangdong, China

preparing the Report: 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

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:

The test results presented in this report relate only to the object tested.

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Test item description::	Car Refrigerator	
Model/Type reference:	PX50	
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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This report can be checked and verified in the following ways.

Tel: 0755-28680489 E-mail: admin@ctnt-cert.com Web: www.ctnt-cert.com



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	Sleve show	
Reviewed By(Supervisor):	Airan Lu	A JONING LECHILL	
Approved by(Chief Engineer):	Flight Lee	CT NT	
Summary of testing:		PROVED	

Tests performed (name of test and test clause):

Determination of the result includes consideration of measurement uncertainty from the test equipment and methods.

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).

Testing location:

Shenzhen Zhongwei Testing Technology Co., Ltd. Room 1A106, 1/F., No.109, Lijia Road, Henggang,

Henggang Street, Longgang District, Shenzhen,

Guangdong, China

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General conditions for measurements:

1.Test Room

The ambient temperature shall be maintained at 90.0 \pm 1 °F. (32.2 \pm 0.6 °C.)

2.Power supply

The electrical power supply shall be $115 \pm 1 \text{ V}$, 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.

3. Supply voltage waveform

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 %.

4. Power measurement accuracy

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.

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