

TEST REPORT

Report Number:	80247602	Edition 1
Date of Issue:	Draft	
Testing dates:	2025-03-28 to 2025-09-29	
Description:	Portable Water Heater, Model: YA.JSZ6 & 8 series AGA APPLICATION NO. 20295	

ISSUED TO	
Customer Name	Guangdong Yinuan Thermal Energy Equipment Co., Ltd
Address	No. 8 Tianhe North Road, Industrial Zone, Ronggui South District, Shunde District, Guangdong, China
Contact Person	Yanlong Shi

LOCATION OF TESTING	
Laboratory	CCIC-CSA International Certification Co., Ltd.
Address	No. 10, Ke Yan Road, Science Park, Guangzhou 510663, China

TESTING PROJECT ENGINEER	
Name	Jason Yang
Signed	

AUTHORISED SIGNATORY	
Name	Terry Huang
Signed	

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Summary	7 pages	Specifications	xx pages
Results Sheets	20 pages	TOTAL NUMBER OF PAGES:	xxx pages

TESTED SAMPLE DETAILS

The results contained herein apply to the particular sample/s tested at the time of testing and to the specific tests carried out as detailed in this Test Report. The issuing of this Test Report does not indicate or imply any measure of approval / certification / recommendation / guarantee / endorsement of any product / manufacturer / supplier / user.

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Accreditation No: TL-464

dSample ID.	GZ20250228007 (Model YA.JSZ6-SPIH03-LI-LV-AU)																																			
Serial No. Marked	(if available)																																			
Date Sample received	2025-02-28																																			
Sample Description																																				
1. Test Sample GZ20250228007 (Model YA.JSZ6-SPIH03-LI-LV-AU) is Portable outdoor water heater. 2. Nominal Gas Consumption and Nominal Injector Size: Test Sample GZ20250228007 (Model YA.JSZ6-SPIH03-LI-LV-AU): <table border="1"> <tr> <td>----</td><td>Nominal Gas Consumption (MJ/h)</td><td>Nominal Injector Orifice Size (mm)</td></tr> <tr> <td colspan="3">Propane @2.75 kPa (TPP)</td></tr> <tr> <td>Main Burner</td><td>21.6</td><td>0.68 * 4</td></tr> </table> 3. Electrical Rating: DC12V 4. Battery: 2500mAh Li-ion Rechargeable battery 5. Maximum water temperature: 50 °C 6. Combustible Material Clearance: Test Sample GZ20250228007 (Model YA.JSZ6-SPIH03-LI-LV-AU): 1) Sides: 30 cm 2) Rear: 30 cm 3) Top: 121 cm 7. Component List: Test Sample GZ20250228007 (Model YA.JSZ6-SPIH03-LI-LV-AU): <table border="1"> <thead> <tr> <th>Type of Control</th><th>Model Number</th><th>Mfr.</th><th>Report Number</th></tr> </thead> <tbody> <tr> <td>LPG Regulator Assembly with CGA 600 inlet connection</td><td>GR-111E</td><td>Guangdong GDA Valve Technology Co., Ltd.</td><td>AGA 9287-01</td></tr> <tr> <td>Burner Control System</td><td>MZ-RSQ04 B0-V03 20250210</td><td>Guangdong Meizhi Intelligent Technology Co., Ltd.</td><td>CSA 80199509</td></tr> <tr> <td>PCB shell</td><td>Polypropylene (PP), furnished as pellets</td><td>Zhongshangshi Ningfeng Technology Co.,Ltd</td><td>UL E84658</td></tr> <tr> <td>Combination Control Valve</td><td>BMV-230</td><td>Zhongshan Huajie Intelligent Technological CO.,Ltd (Guangdong Yinuan Thermal Energy Equipment Co., Ltd)</td><td>CSA 80199513</td></tr> <tr> <td>Rechargeable Lithium-Ion Battery</td><td>18650-2500mAh-11.1V 3S1P</td><td>Guangdong Yinuan Thermal Energy Equipment Co., Ltd</td><td>CSA 80199519</td></tr> </tbody> </table>				----	Nominal Gas Consumption (MJ/h)	Nominal Injector Orifice Size (mm)	Propane @2.75 kPa (TPP)			Main Burner	21.6	0.68 * 4	Type of Control	Model Number	Mfr.	Report Number	LPG Regulator Assembly with CGA 600 inlet connection	GR-111E	Guangdong GDA Valve Technology Co., Ltd.	AGA 9287-01	Burner Control System	MZ-RSQ04 B0-V03 20250210	Guangdong Meizhi Intelligent Technology Co., Ltd.	CSA 80199509	PCB shell	Polypropylene (PP), furnished as pellets	Zhongshangshi Ningfeng Technology Co.,Ltd	UL E84658	Combination Control Valve	BMV-230	Zhongshan Huajie Intelligent Technological CO.,Ltd (Guangdong Yinuan Thermal Energy Equipment Co., Ltd)	CSA 80199513	Rechargeable Lithium-Ion Battery	18650-2500mAh-11.1V 3S1P	Guangdong Yinuan Thermal Energy Equipment Co., Ltd	CSA 80199519
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	Water flow sensor	BD-A08,	YOUNG GAS APPLIANCES INDUSTRIAL CO.,LTD	CSA 80170600
	Limit Control	KSD301 (68°C, 57°C)	Zhongshan Huilong Electrical Co. Ltd.	UL E349305
	Tip-over switch	KW16B	GUANGDONG YUSHUN ELECTRIC APPLIANCE LTD	UL E335523
	ELECTRODE	(H) 800°C	YANGZHOU HUAMING TECHNOLOGY CO.,LTD LTD	CSA 70155816
	Direct Current Input	1007	FOSHAN BOCHILL CABLE TECH CO LTD	UL E509056
	Fuse box	H3	Hinew Electric Co., Ltd.	UL E239034
	FUSE	521	DONGGUAN BETTER ELECTRONICS TECHNOLOGY CO LTD	UL E300003
	Pressure Relief Valve	HPSV04B	YUHUAN HEAPE VALVE CO., LTD	CSA 80088753
	Marking Material	Bylabel-pet	Zhongshan BoYuan Printing Factory	UL MH63346

SAMPLE MODIFICATIONS

Modified exhaust outlet, added mesh wind barrier at the bottom.

TEST PROGRAMME

Company Name: Guangdong Yinuan Thermal Energy Equipment Co., Ltd

RE: Portable Storage Water Heater, Model: YA.JSZ6 & 8 series
AGA APPLICATION NO. 20295

Thank you for your Application for a new Certification to cover the above referenced product.

The Application number allocated for this project is 20295

Following is a Test Program which must be successfully completed to enable provision of AGA certification. Please contact CSA Guangzhou Laboratory to arrange the test.

TEST PROGRAM:

STANDARD: AS/NZS 2658-2022

Gas Type: Universal LPG
FULL TEST: Model YA.JSZ6-LI-LV-AU

STANDARD: AS/NZS 5263.0-2023
Gas Type: Universal LPG

Part Test: Model YA.JSZ6-LI-LV-AU
Section 3 Clause 3.6 Ignition and safety shutoff systems

Notes:

1. This program may be extended or reduced, depending on results of assessments as they come to hand.
2. This program has been developed using the information provided at the time of the Application. The program may be modified as additional information becomes available which may incur further Certification fees.

CHANGES TO ORIGINAL AGREED TESTING

List the changes to the original agreed Test Programme

Gas type of water heater changed to Propane/LPG according to specification, manual, marking.

Model YA.JSZ6-LI-LV-AU changed to YA.JSZ6-SPIH03-LI-LV-AU.

Models SPIH03G, SPIH04G, SPIH03LAG, SPIH04LAG with different exhaust outlet and mesh wind barrier at the bottom. Additional tests are required

STANDARD: AS/NZS 2658-2022
Gas Type: Propane/LPG
Part Test: Model YA.JSZ6-SPIH03G-LI-LV-AU
Clause 3.4 Gas Leakage
Clause 3.5 Gas Consumption
Clause 4.4 CO/CO₂ Ratio limits for independent burner - Overload
Clause 9.14 Wind Test

SUMMARY OF NON-CONFORMANCES, OBSERVATIONS AND COMMENTS

Clause	Observations / Comments / Non-Conformances
N/A	All tests were passed.

UNCERTAINTY OF MEASUREMENT

Uncertainties reported in this laboratory report have been calculated in accordance with the principles of ISO-GUM at a confidence level of 95% and coverage factor 2, unless otherwise specified.

All dimensional Uncertainty of Measurements up to 5mm were $\pm 0.0061\text{mm}$
All other dimensional Uncertainty of Measurements were $\pm 0.20\text{mm}$



Sample after modification