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Contact person: Ms. Mengcen Zhao

Name: 5. Yiwu JA Solar Technology Co., Ltd. (109998)

Address: No.165, Tongze Road, Yiting Town, 322000 Yiwu
City, Zhejiang Province, PEOPLE'S REPUBLIC OF
CHINA

Contact person: Mr. Lijun Huang

Name: 6. JA SOLAR VIET NAM COMPANY LIMITED
(112017)

Address: Lot G, Quang Chau Industrial Park, Quang Chau
Ward, Viet Yen Town, 236110 Bac giang province,
VIETNAM

Contact person: Mr. Jiang Ma

Name: 7. HSA ENERJI A.S. (113943)

Address: OSB III. Kisim Kekiliköy OSB Mah., Mustafa Kemal
Bulvari No:15/1., 45030 Yunusemre – Manisa,
TURKEY

Contact person: Ms. Julide Oktar

Name: 8. JA Solar New Energy Yangzhou Co., Ltd.
(Jingshan Park) (114922)

Address: No. 123, Jinshan Road, Economic Development
Zone, 225131 Yangzhou City, Jiangsu Province,
PEOPLE'S REPUBLIC OF CHINA

Contact person: Ms. Mengcen Zhao

Name: 9. DongTai JA Solar Technology Co., Ltd. (121678)

Address: No. 8 Zaofeng North Road, Dongtai High-tech
Zone, Dongtai City, 224248 Yancheng City, Jiangsu
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Contact person: Ms. Zhixia Zhu



Name: 10. Inner Mongolia JA Solar PV Technology Co., Ltd. (123101)
Address: No.21, Zhuangbei Avenue, Xin Guihua Area, Equipment Park, Qingshan District, 014000 Baotou, Inner Mongolia Autonomous Region, PEOPLE'S REPUBLIC OF CHINA
Contact person: Mr. Shizhao Wang

Name: 11. QuJing JA Solar Technology Co., Ltd. (123430)
Address: North of Nanhai Avenue and East of Shaoxi Road, Qujing Economic and Technological Development Zone, 655000 Qujing City, Yunnan Province, PEOPLE'S REPUBLIC OF CHINA
Contact person: Mr. Shihao Luo

Name: 12. Ordos JA Solar Technology Co., Ltd. (127131)
Address: Room 2007, Office Building, High-tech Development Zone, Dongsheng District Equipment Manufacturing Base, 017000 Ordos City, Inner Mongolia, PEOPLE'S REPUBLIC OF CHINA
Contact person: Ms. Yunxia Fu

Name: 13. Sunrev (Yangzhou) Photovoltaic Technology Co., Ltd. (115500)
Address: No.118, Jingang Road, Yangzhou Economic and Technological Development Zone, 225100 Yangzhou City, Jiangsu Province, PEOPLE'S REPUBLIC OF CHINA
Contact person: Mr. Yadong He

Name: 14. Inner Mongolia JA Naoer New Energy Co., Ltd. (128635)
Address: No.4 Xinhua East Street, Economic and Technological Development Zone, Bayannur City, 015000 Inner Mongolia Autonomous Region, PEOPLE'S REPUBLIC OF CHINA
Contact person: Mr. Wei Li



Name: 15. MEM PANEL SOLAR ENERJI SANAYI VE
TICARET A.S. (123846)
Address: Organized Industrial Site 3. Street No: 4 Onikisubat,
46050 Kahramanmaras, TÜRKIYE
Contact person: Mr. ABDULLAH BAYRAM

Name: 16. ARTSOLAR (PTY) LTD (119213)
Address: Gate 3, 124 Escom Road New Germany, 10 & 11
New Germany Industrial Park, DURBAN 3610,
SOUTH AFRICA
Contact person: Mr. Tushar

Name: 17. Linfen KINGSOL New Energy Technology Co.,
Ltd. (121550)
Address: No.1 Sixth Avenue, Ganting New Industrial Park,
Linfen Economic Development Zone, 041609
Linfen, Shanxi Province, PEOPLE'S REPUBLIC OF
CHINA
Contact person: Mr. Feifei Meng

Name: 18. Jiujiang KINGSOL New Energy Co., Ltd.
(124451)
Address: Building 1, Building 3, Building 4 in Lianxi Industrial
Park, No. 188 Xiangji Avenue, Lianxi District,
332004 Jiujiang City, Jiangxi Province,
PEOPLE'S REPUBLIC OF CHINA
Contact person: Mr. Feifei Meng

Name: 19. American Panel Solutions LLC (127728)
Address: 1975 South 99th Avenue, Phoenix AZ 85353, USA
Contact person: Mr. Zhonghai Geng

Name: 20. Jiangsu Reesun Solar Technology Co., Ltd
(117684)
Address: No.1 Nanjing Road, Jianhu Economic Development
Zone, 224799 Yancheng City, Jiangsu, PEOPLE'S
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Contact person: Mr. Junkai Ma
Name: 21. Anhui Tianda New Energy Co., Ltd. (120210)
Address: No. 988, Qianqiu Road, Tianchang City, 239300
Chuzhou City, Anhui Province, PEOPLE'S
REPUBLIC OF CHINA
Contact person: Mr. Changjiang Li

Name: 22. Shuangliang Solar-tech (Baotou) Co., Ltd.
(116996)
Address: No. 18 Chuangye Street, Binhe New District, Rare
Earth High-tech Zone, 014060 Baotou City, Inner
Mongolia, PEOPLE'S REPUBLIC OF CHINA
Contact person: Mr. Bing Fang

Test object: Product: Photovoltaic modules
Model: See clause 1.4

Trade mark:

Test specification: IEC 61215-1:2021
EN IEC 61215-1:2021/AC:2021
IEC 61215-1-1:2021
EN IEC 61215-1-1:2021
IEC 61215-2:2021
EN IEC 61215-2:2021
IEC 61730-1:2023
IEC 61730-2:2023

Purpose of examination:

- Testing and evaluation (visual / partial) according to the test specification



Test result: The test results show that the presented product is in compliance with the above listed test specifications.

Any use for advertising purposes must be granted in writing. This technical report may only be quoted in full. This report is the result of a single examination of the object in question. It does not imply a general statement regarding the quality of products from regular production. For further details please see Testing, Certification, Validation and Verification Regulations, chapter A-3.3.

Report No.: 704062302133
Rev.: 27
Date: 2025-08-22

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Shanghai Branch
SMN
No. 151 Heng Tong Road,
Shanghai 200070, P. R. China
Telephone: +86 21 6141-0100

1. Description of the test object

1.1 Picture(s)

N/A

1.2 Function

Manufacturer's specification for intended use:

The PV modules for electricity generation systems with max. voltage of 1500 V DC

•

1.3 Consideration of the foreseeable use

- Not applicable
- Covered through the applied standard
- Covered by the following comment*
- Covered by attached risk analysis

*

1.4 Technical Data

See next page for details



Model	<p>JAM78D40-xxx/MB, xxx = 600 to 655 in steps of 5 JAM78D40-xxx/GB, xxx = 600 to 655 in steps of 5 JAM72D40-xxx/MB, xxx = 560 to 610 in steps of 5 JAM72D40-xxx/GB, xxx = 560 to 610 in steps of 5 JAM72D40-xxx/MB-US, xxx = 585 to 615 in steps of 5 JAM72D41-xxx/MB, xxx = 575 to 590 in steps of 5 JAM72D41-xxx/GB, xxx = 575 to 590 in steps of 5 JAM54D40-xxx/MB, xxx = 415 to 455 in steps of 5 JAM54D41-xxx/MB, xxx = 415 to 445 in steps of 5 JAM54D40-xxx/MR, xxx = 415 to 455 in steps of 5 JAM72D30-xxx/MB, xxx = 530 to 555 in steps of 5 JAM72D40-xxx/LB, xxx = 560 to 620 in steps of 5 JAM60D40-xxx/LB, xxx = 485 to 515 in steps of 5 JAM60D41-xxx/LB, xxx = 485 to 505 in steps of 5 JAM54D40-xxx/LB, xxx = 420 to 475 in steps of 5 JAM54D40-xxx/LR, xxx = 420 to 475 in steps of 5 JAM54D41-xxx/LB, xxx = 420 to 455 in steps of 5 JAM54D41-xxx/LR, xxx = 440 to 455 in steps of 5 JAM72D30-xxx/LB, xxx = 555 to 570 in steps of 5 JAM72D42-xxx/LB, xxx = 590 to 655 in steps of 5 JAM66D42-xxx/MB, xxx = 540 to 600 in steps of 5 JAM66D42-xxx/MR, xxx = 540 to 600 in steps of 5 JAM66D43-xxx/MB, xxx = 565 to 580 in steps of 5 JAM60D42-xxx/LB, xxx = 500 to 545 in steps of 5 JAM66D45-xxx/LB, xxx = 580 to 650 in steps of 5 JAM66D45-xxx/LR, xxx = 580 to 650 in steps of 5 JAM66D46-xxx/LB, xxx = 685 to 740 in steps of 5 JAM72D40-xxx/HB, xxx = 590 to 605 in steps of 5 JAM54D40-xxx/HB, xxx = 440 to 450 in steps of 5 xxx is standing for rated output power at STC</p>
Rated Voltage (V)	1500 V DC
Rated Frequency (Hz)	N/A
Rated Power (W)	See above
Protection Class	<input type="checkbox"/> Class I; <input checked="" type="checkbox"/> Class II; <input type="checkbox"/> Class III
Degree of Protection	N/A
Construction	<input checked="" type="checkbox"/> Stationary <input type="checkbox"/> Portable <input type="checkbox"/> Hand-held <input type="checkbox"/> Open-frame <input type="checkbox"/> Non detachable cord
Supply connection	<input type="checkbox"/> Permanent connection to fixed wiring <input type="checkbox"/> Appliance inlet
Operation mode	<input checked="" type="checkbox"/> continuous operation;

Report No.: 704062302133
 Rev.: 27
 Date: 2025-08-22

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	<input type="checkbox"/> Intermittent operation;
	<input type="checkbox"/> Short time operation;
Rated capacity (ml)	N/A
Weight (kg)	See CDF for details
Software revision number(s) for functional safety	N/A
Others	N/A

2. Order

2.1 Date of Purchase Order, Customer's Reference

The order dated 2025-08-06

2.2 Test Sample(s)

- Reception date(s): 2025-08-07
- Location(s) of reception: TÜV SÜD SW Rail Transportation Technology (Jiangsu) Co., Ltd.
Building 17, Innovative Industry Park, No. 377 Wuyinan Road, National High and New Technology & Industry Development Zone, Wujin, 213015 P.R. China
- Condition of test sample(s): In good condition

2.3 Testing

- Testing date(s): 2025-08-07 to 2025-08-15
- Location(s) of testing: TÜV SÜD SW Rail Transportation Technology (Jiangsu) Co., Ltd.
Building 17, Innovative Industry Park, No. 377 Wuyinan Road, National High and New Technology & Industry Development Zone, Wujin, 213015 P.R. China



2.4 Points of Non-Compliance or Exceptions of the Test Procedure

- Additional fire classification was performed in accordance with EN 13501-1:2018 and GB8624:2012, as per the client's requirements.

3. Test Results

- Decision rule according to ILAC-G8:09/2019 clause 4.2.1 Binary statement for simple acceptance rule or IEC Guide 115:2023, clause 4.3.3 Simple acceptance was applied.

3.1 Positive Test Results

Test specification(s)	Report no. / Rev. No.	Date	Remark
Electrical safety:	704062302133-27	2025-08-22	Refer to clause 5.1
Mechanical safety:	704062302133-27	2025-08-22	Refer to clause 5.1
Functional safety:	N/A	N/A	N/A
Cyber security:	N/A	N/A	N/A
EMF / EMC / Radiation:	N/A	N/A	N/A
Outdoor / Noise / Vibration:	N/A	N/A	N/A
Pressure vessels:	N/A	N/A	N/A
DVGW:	N/A	N/A	N/A
Chemical requirements / compounds:	N/A	N/A	N/A
PAH:	N/A	N/A	N/A
Batteries:	N/A	N/A	N/A
LFGB / Hygiene:	N/A	N/A	N/A
Energy efficiency:	N/A	N/A	N/A
Explosion Protection:	N/A	N/A	N/A
Other specifications:	N/A	N/A	Refer to clause 5.1





3.2 Points of Non-Compliance according to the test specification

None Yes as follows:

Test specification(s)	Clause	Remark
N/A	N/A	N/A

4. Test History

Report no. / Rev. No.	Date	History
N/A	N/A	Refer to previous projects

5. Remarks

5.1 General

Based on previous project 704062302133-26A1, the following modifications were included:

1. Added following alternative factory: Shuangliang Solar-tech (Baotou) Co., Ltd. (116996), FI was performed in project 70.197.25.116996.05;
2. Verified fire classification according to EN 13501-1 & GB8624 for modules with limited material combinations below (Test reports No. TC.25.08.003716 & TC.25.08.003717 are attached at the end of this technical report):

Superstrate CNBM 2.0mm Heat strengthened AR-coated glass + Encapsulant JA21TS1 / JA21G01 + Substrate CNBM 2.0mm Heat strengthened glass with white glaze + Metallic Frame,

Below model types were involved due to same material combination and similar construction:

- a) JAM66D46-xxx/LB series, with dimensions of 2384*1303*33 mm;
- b) JAM66D45-xxx/LB series, with dimensions of 2382*1134*30 mm;
- c) JAM72D42-xxx/LB series, with dimensions of 2465*1134*30 mm;
- d) JAM66D42-xxx/MB series, with dimensions of 2278*1134*30 mm;
- e) JAM78D40-xxx/MB series, with dimensions of 2465*1134*30 mm;
- f) JAM72D40-xxx/LB series, with dimensions of 2333*1134*30 mm;
- g) JAM60D40-xxx/LB series, with dimensions of 1953*1134*30 mm;
- h) JAM60D41-xxx/LB series, with dimensions of 1953*1134*30 mm;
- i) JAM54D40-xxx/LB series, with dimensions of 1762*1134*30 mm;
- j) JAM54D41-xxx/LB series, with dimensions of 1762*1134*30mm;

Construction check was conducted according to IEC 61730-1:2023.

The user manual has been examined according to the minimum requirements described in the product standard. The manufacturer is responsible for the accuracy of further particulars as well as of the composition and layout.



5.2 Factory surveillance cycle

Your production facility is currently on the following surveillance cycle.

- Annual (12 month)
- Bi-Annual (6 month)
- Quarterly (3 month)
- N/A

5.3 Additional information for routine tests to be performed by the factory(ies)

Routine tests for electrical appliances / equipment:

Routine test requirements for production are described in 70.197.24.079395.15, 70.197.24.095903.11, 70.197.25.108746.07, 70.197.24.072092.17, 70.197.24.109998.05, 70.197.24.112017.06, 70.197.23.113943.08, 70.197.25.114922.06, 70.197.25.121678.04, 70.197.25.123101.04, 70.197.24.123430.03, 70.197.25.127131.03, 70.197.24.115500.08, 70.197.25.128635.04, 70.197.24.123846.02, 70.197.25.119213.03, 70.197.25.121550.03, 70.197.25.124451.03, 70.197.25.127728.02, 70.197.24.117684.03, 70.197.25.120210.03, 70.197.25.116996.05.

6. Documentation

File	File name	Date
Data form (CDF):	704062302133-27CDF_TUV MARK_E	2025-08-22
Photo documentation:	N/A	N/A
User manual:	N/A	N/A
Installation manual:	N/A	N/A

7. Summary

- The test specification(s) is (are) met.



TÜV SÜD Certification and Testing (China)Co., Ltd. Shanghai Branch

Tested by: Rongwei Jing *Ting Rongwei*
printed name, function & signature

Approved by: Ning Tang
printed name, function & signature



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Test Report

Report No. TC.25.08.003716

Date of Issue 2025-08-20



Applicant: JA Solar Technology Co., Ltd.

Applicant Address: No. 123 Xinxing Road, 055550 Ningjin County, Hebei Province, PEOPLE'S REPUBLIC OF CHINA

Sample Description: Mono crystalline silicon photovoltaic (PV) modules
Style No. of finished product: Duo glass product with 2.0 mm heat strengthened AR Coating glass of front cover + (400±80) g/m² front EPE encapsulation +(400±80) g/m² rear EVA encapsulation + 2.0 mm heat strengthened glass of rear cover + Anodized aluminum alloy Frame:
 JAM66D46-xxx/LB
 JAM66D45-xxx/LB
 JAM72D42-xxx/LB
 JAM66D42-xxx/MB
 JAM78D40-xxx/MB
 JAM72D40-xxx/MB
 JAM60D40-xxx/LB
 JAM54D40-xxx/LB
 JAM54D41-xxx/LB
 JAM60D41-xxx/LB

Manufacturer: JA Solar Technology Co., Ltd.

End Use: BAPV mounted on the rack of rooftop
 PV mounted on the ground (including floating system , fixed rack, tracker rack)

Receipt Date of Sample: Received on 2025-08-07
Date of Testing: From 2025-08-07 to 2025-08-15

Sample Submitted: The Sample(s) and Its (Their) Information(s) Was (Were) Submitted by Applicant and Identified.

Test Result: Refer to Next Page.

TÜV SÜD SW Rail Transportation Technology (Jiangsu) Co., Ltd.

Prepared by:

Zhang Rui

Rui Zhang

Approved by:

Wayne

Wayne Wang

Note:

(1) Each order is subject to acceptance of our [General Terms and Conditions](#) and the [TÜV SÜD Testing, Certification, Validation and Verification Regulation](#), in the version valid at the time the contract is concluded. For full version of above both documents, please visit the link to view.

(2) The results in this report are relevant only to the sample(s) tested.

(3) The test report shall not be reproduced except in full without the written approval of the laboratory.

(4) Disclaimer: Measurement Uncertainty:

Unless otherwise stated, the decision rule for conformity reporting is based on Binary Statement for Simple Acceptance Rule (w=0) stated in ILAC-G8:09/2019 or CNAS-GL015:2022

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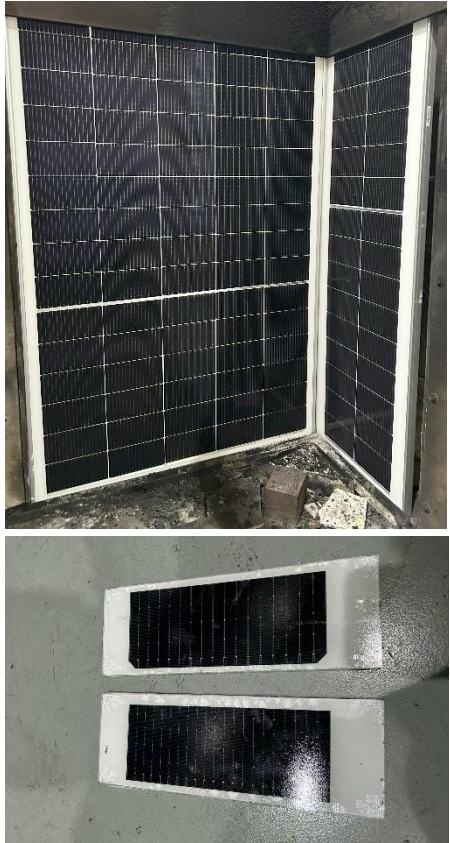


Test Report

Report No. TC.25.08.003716

Date of Issue 2025-08-20

Description of the test subject

Sample	Description	Picture of Sample
001	Mono crystalline silicon photovoltaic (PV) modules	

Conclusion:

Test Items	Standard	Conclusion
1	EN 13501-1:2018	B-s1,d0

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Test Report

Report No. TC.25.08.003716

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Test Results

EN 13501-1:2018 Fire classification of construction products and building elements- Part 1: Classification using data from reaction to fire tests

1. EN 13823:2020+A1:2022 reaction to fire tests for building products – building products excluding floorings exposed to the thermal attack by a single burning item

1.1 Sample details

Sample size	Long limb:1500mm×1000mm
	Short limb:1500mm×495mm
Thickness	About 30.0 mm

Precondition	Temperature (°C)	Humidity (%)	Duration (h)
	23±2	50±5	≥48

1.2 Results

	1	2	3	Average
FIGRA _{0.2MJ} (W/s)	0	0	0	0
FIGRA _{0.4MJ} (W/s)	0	0	0	0
LFS< edge of specimen (Yes/No)	Yes	Yes	Yes	--
THR _{600s} (MJ)	0.1	0	0	0
SMOGRA(m ² /s ²)	0	0	0	0
TSP _{600s} (m ²)	3.1	2.8	2.7	2.9
Flaming particles or droplets(Yes/No)	No	No	No	--
Observe	--			

Remark:

FIGRA_{0.2MJ}=maximum of the quotient of heat release rate from the specimen and the time of its occurrence using a THR-threshold of 0.2MJ

FIGRA_{0.4MJ}=maximum of the quotient of heat release rate from the specimen and the time of its occurrence using a THR threshold of 0.4MJ

LFS=lateral flame spread on the long specimen wing

THR_{600s}=Total heat release from the specimen in the first 600s of exposure to the main burner flames

SMOGRA=smoke growth rate. the maximum of the quotient of smoke production rate from the specimen and the time of its occurrence

TSP_{600s}=Total smoke production from the specimen in the first 600s of exposure the main burner flames



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Test Report

Report No. TC.25.08.003716

Date of Issue 2025-08-20

2. EN ISO 11925-2:2020 Reaction to fire tests- ignitability of building products subjected to direct impingement of flame- part2: single-flame source

2.1 Sample details

Sample size	250mm×90mm
Thickness	About 4.8 mm

Precondition	Temperature (°C)	Humidity (%)	Duration (h)
	23±2	50±5	≥48

2.2 Test results

Face ignition

Specimen	1	2	3
Whether ignition occurs (Yes/No)	No	No	No
Whether the flame tip reaches 150mm above the flame application point (Yes/No)	No	No	No
The time of the flame tip reaches 150mm above the flame application point.	--	--	--
Whether ignition of the filter paper occurs(Yes/No)	No	No	No

Edge ignition

Specimen	1	2	3
Whether ignition occurs (Yes/No)	No	No	No
Whether the flame tip reaches 150mm above the flame application point (Yes/No)	No	No	No
The time of the flame tip reaches 150mm above the flame application point.	--	--	--
Whether ignition of the filter paper occurs(Yes/No)	No	No	No



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Test Report

Report No. **TC.25.08.003716**

Date of Issue **2025-08-20**

EN 13501-1:2018 table 1 - classification

Classification	Test method		Classification criteria
B	EN 13823 and		FIGRA _{0.2MJ} ≤ 120W/s; LFS < edge of specimen THR _{600s} ≤ 7.5 MJ
	EN ISO 11925-2 Exposure = 30 s		F _s ≤ 150mm within 60s
Additional classification	Smoke	s1	SMOGRA ≤ 30m ² /s ² , TSP _{600s} ≤ 50m ²
		s2	SMOGRA ≤ 180m ² /s ² , TSP _{600s} ≤ 200m ²
		s3	Not s1 or s2
	Flaming droplets/particles	d0	No flaming droplets/particles in EN 13823 within 600s
		d1	No flaming droplets/particles persisting longer than 10 s in EN 13823 within 600s
		d2	Not d0 or d1 Ignition of the paper in EN ISO 11925-2 results in a d2 classification.

Conclusion

Test standard	Record	Conclusion
EN 13823	FIGRA _{0.2MJ} = 0 W/s LFS < Sample edge THR _{600s} = 0 MJ SMOGRA = 0 m ² /s ² TSP _{600s} = 2.9 m ² No flaming droplets/particles in EN 13823 within 600s	B-s1,d0
EN ISO 11925-2	F _s ≤ 150mm within 60s No ignition of the filter paper occurs.	



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Test photos



Statement : The test results relate to the behaviour of the test specimens of a product under the particular conditions of the test; they are not intended to be the sole criterion for assessing the potential smoke and toxicity hazard of the product in use.

-End of Report-



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检测报告

报告编号: **TC.25.08.003717**日期: **2025-08-20**

申请方: 晶澳太阳能科技股份有限公司

申请方地址: 中华人民共和国河北省宁晋县新兴路 123 号 055550

样品描述: 单晶硅光伏组件

产品型号: Duo glass product with 2.0 mm heat strengthened AR Coating glass of front cover + (400±80) g/m² front EPE encapsulation + (400±80) g/m² rear EVA encapsulation + 2.0 mm heat strengthened glass of rear cover + Anodized aluminum alloy Frame:

JAM66D46-xxx/LB

JAM66D45-xxx/LB

JAM72D42-xxx/LB

JAM66D42-xxx/MB

JAM78D40-xxx/MB

JAM72D40-xxx/MB

JAM60D40-xxx/LB

JAM54D40-xxx/LB

JAM54D41-xxx/LB

JAM60D41-xxx/LB

生产厂商: JA Solar Technology Co., Ltd.

最终用途: BAPV mounted on the rack of rooftop
PV mounted on the ground (including floating system, fixed rack, tracker rack)

收样日期: 2025-08-07

测试周期: 2025-08-07 至 2025-08-14

样品提交: 样品及样品信息由申请方提供并确认。

测试结果: 详见下一页。

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编制:

批准:

张锐

王城伟

注:

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(2) 本报告结果仅与受检样品有关。

(3) 未经本实验室书面批准, 不得复制(全文复制除外)报告。

(4) 测量不确定度免责声明:

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样品描述

样品	描述	照片
001	单晶硅光伏组件	

结论:

测试项目	测试标准	结论
1 燃烧性能	GB 8624-2012	GB 8624 B ₁ (B-s1,d0)

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测试结果

1. GB 8624-2012 建筑材料及制品燃烧性能分级**1.1 GB/T 20284-2006 建筑材料或制品的单体燃烧试验****1.1.1 样品详情**

样品尺寸	长翼: 1500mm×1000mm
	短翼: 1500mm×495mm
厚度	约 <u>30.0</u> mm

预处理	温度	湿度	持续时间
	23±2 °C	50±5 % R.H.	≥48 h

1.1.2 测试结果

	1	2	3	平均值
FIGRA _{0.2MJ} (W/s)	8.1	15.4	0	7.8
FIGRA _{0.4MJ} (W/s)	0	12.5	0	4.2
火焰是否到达试样边缘(是/否)	否	否	否	--
THR _{600s} (MJ)	0.4	0.3	0.1	0.3
SMOGRA(m ² /s ²)	0	0	0	0
TSP _{600s} (m ²)	2.9	3.6	1.9	2.8
燃烧滴落物/微粒(有/无)	无	无	无	--
燃烧滴落物/微粒持续时间(s)	--	--	--	--
其它现象	--			

注FIGRA_{0.2MJ}=燃烧增长速率指数。THR 临界值达 0.2MJ 以后, 试样热释放速率与受火时间的比值的最大值FIGRA_{0.4MJ}=燃烧增长速率指数。THR 临界值达 0.4MJ 以后, 试样热释放速率与受火时间的比值的最大值

LFS=火焰在试样长翼上的横向传播

THR_{600s}=试样受火于主燃器最初 600s 内地总热释放量

SMOGRA=烟气生成速率指数。试样产烟率与所需受火时间的比值的最大值

TSP_{600s}=试样受火于主燃器最初 600s 内地总产烟量南德西文轨道交通技术(江苏)有限公司
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1.2 GB/T 8626-2007 建筑材料可燃性的测试

1.2.1 样品信息

样品尺寸	250mm×90mm
厚度	约 4.8 mm

预处理	温度	湿度	持续时间
	23±2 °C	50±5 % R.H.	≥48 h

1.2.2 测试结果

底部点火

样品	1	2	3
着火 (是/否)	否	否	否
火焰传播至 150mm 刻度线 (是/否)	否	否	否
到达 150mm 刻度线时间(秒)	--	--	--
引燃滤纸 (是/否)	否	否	否

表面点火

样品	1	2	3
着火 (是/否)	否	否	否
火焰传播至 150mm 刻度线 (是/否)	否	否	否
到达 150mm 刻度线时间(秒)	--	--	--
引燃滤纸 (是/否)	否	否	否

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GB 8624-2012 表 2 分级要求

等级		试验标准	分级判据
B ₁	B	GB/T 20284 且	燃烧增长速率指数 $FIGRA_{0.2MJ} \leq 120W/s$; 火焰横向蔓延未到达试样长翼边缘, 600s 内总放热量 $THR_{600s} \leq 7.5 MJ$
		GB/T 8626 点火时间 30s	60s 内焰尖高度 $F_s \leq 150mm$ 60s 内无燃烧滴落物引燃滤纸现象
	C	GB/T 20284 且	燃烧增长速率指数 $FIGRA_{0.4MJ} \leq 250W/s$; 火焰横向蔓延未到达试样长翼边缘, 600s 内总放热量 $THR_{600s} \leq 15 MJ$
		GB/T 8626 点火时间 30s	60s 内焰尖高度 $F_s \leq 150mm$ 60s 内无燃烧滴落物引燃滤纸现象

附加分级	烟	s1	$SMOGRA \leq 30 m^2/s^2, TSP_{600s} \leq 50m^2$
		s2	$SMOGRA \leq 180 m^2/s^2, TSP_{600s} \leq 200m^2$
		s3	未达到 s1 或 s2
	滴落物	d0	600s 内无燃烧的碎屑/滴落物
		d1	600s 内燃烧的碎屑/滴落物, 持续时间不超过 10s
		d2	未达到 d0 或 d1

结论

标准	记录	结论
GB/T 20284	$FIGRA_{0.2MJ} = 7.8 W/s$ $FIGRA_{0.4MJ} = 4.2 W/s$ 火焰横向蔓延未到达试样长翼边缘 $THR_{600s} = 0.3 MJ$ $SMOGRA = 0 m^2/s^2$ $TSP_{600s} = 2.8 m^2$ 600s 内无燃烧的碎屑/滴落物	GB 8624 B ₁ (B-s1,d0)
GB/T 8626	60s 内焰尖高度 $F_s \leq 150mm$ 60s 内无燃烧滴落物引燃滤纸	



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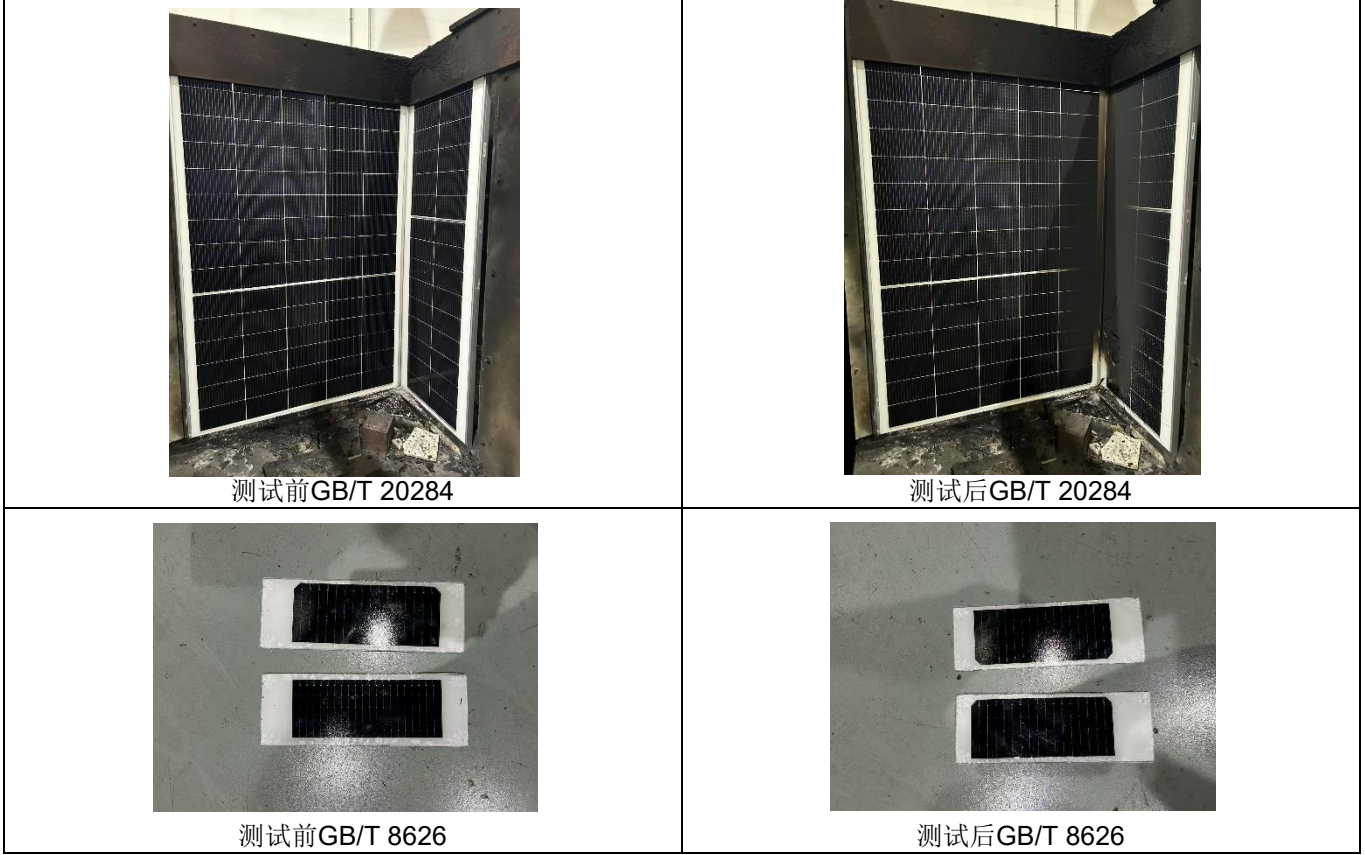


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测试照片



测试前GB/T 20284

测试后GB/T 20284

测试前GB/T 8626

测试后GB/T 8626

陈述: 本试验结果得出的产品性能是在特殊条件下的检验结果。在实际应用中，它们不能单独作为评价该产品潜在火灾和烟气危险性的依据。

-报告结束-



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