



**Technical Report No.: 704062302133-27**

**Date: 2025-08-22**

**Client:**                    **Name:**                    JA Solar Technology Co., Ltd. (114228)  
**Address:**                    No. 123 Xinxing Road, 055550 Ningjin County, Hebei Province, PEOPLE'S REPUBLIC OF CHINA  
**Contact person:**                    Ms. Wenli Gong

**Manufacturer:**                    **Name:**                    JA Solar Technology Co., Ltd. (114228)  
**Address:**                    No. 123 Xinxing Road, 055550 Ningjin County, Hebei Province, PEOPLE'S REPUBLIC OF CHINA  
**Contact person:**                    Ms. Wenli Gong

**Factory:**                    **Name:**                    1. Shanghai JA Solar Technology Co., Ltd. (072092)  
**Address:**                    No. 118, Lane 3111, West Huancheng Road, Fengxian District, 201401, Shanghai, PEOPLE'S REPUBLIC OF CHINA  
**Contact person:**                    Ms. Wenli Gong

**Name:**                    2. Hefei JA Solar Technology Co., Ltd (079395)  
**Address:**                    No. 999, Changning Road, Hi-tech Zone, 230088 Hefei City, Anhui Province, PEOPLE'S REPUBLIC OF CHINA  
**Contact person:**                    Mr. Jian Zhou

**Name:**                    3. JA Solar (Xingtai) Co., Ltd (095903)  
**Address:**                    No. 1688, Chang An Road, Xingtai Economic Development Area, 054000 Xingtai City, Hebei Province, PEOPLE'S REPUBLIC OF CHINA  
**Contact person:**                    Mr. Zhongke Jiang

**Name:**                    4. JA Solar New Energy Yangzhou Co., Ltd. (108746)

## Technical Report



Address: No.1, Jinhui Road, Economic Development Zone,  
225131 Yangzhou City, Jiangsu Province,  
PEOPLE'S REPUBLIC OF CHINA

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 Kenciliköy 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  
Province, PEOPLE'S REPUBLIC OF CHINA

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

## Technical Report



Name: 15. MEM PANEL SOLAR ENERJI SANAYI VE  
TICARET A.S. (123846)  
Address: Organized Industrial Site 3. Street No: 4 Onikisubat,  
46050 Kahramanmaraş, TÜRKİYE  
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  
REPUBLIC OF CHINA

# Technical Report



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

## Technical Report



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

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

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TÜV SÜD Certification and Testing (China) Co., Ltd.  
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Page 6 of 13

# Technical Report



## 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

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### 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

# Technical Report



Model	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
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
Supply connection	<input type="checkbox"/> Non detachable cord <input type="checkbox"/> Permanent connection to fixed wiring <input type="checkbox"/> Appliance inlet
Operation mode	<input checked="" type="checkbox"/> continuous operation;

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# Technical Report



	<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.

ID: 2270 Doc No.: ITC-TTW0902.02E - Rev. 17

## Technical Report



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

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

Approved by: Ning Tang *Tang Ning*  
*printed name, function & signature*