

CERTIFICATE

TÜV NORD CERT GmbH
herewith declares that

JA Solar Technology Co., Ltd.
No.123 Xinxing Road, 055550 Ningjin County, Hebei Province,
PEOPLE'S REPUBLIC of CHINA

is authorized to provide the product mentioned below with the mark as illustrated:

Description of product (details see Annex 2):

Crystalline Silicon Terrestrial Photovoltaic (PV) Modules



Valid from:2025-08-28

Valid until: 2029-04-10

Certification program:	P12-VA-01 Rev. 17 09.20
Certification fundamental(s):	IEC 61215-1:2021 / EN IEC 61215-1:2021; IEC 61215-1-1:2021 / EN IEC 61215-1-1:2021; IEC 61215-2:2021 / EN IEC 61215-2:2021; IEC 61730-1:2023 / EN / IEC 61730-1: 2018; IEC 61730-2:2023 / EN / IEC 61730-2: 2018.
Registered No.:	44 780 24 406749 - 135R12A8M14
Manufacturer and factory(-ies):	See Annex 1
Test Report No.:	492013100.017
File No.:	PVP06138/25P-02



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Essen, 2025-08-28

Please also pay attention to the information stated overleaf.

Manufacturer and factory(-ies):

Manufacturer:	JA Solar Technology Co., Ltd. No.123 Xinxing Road, 055550 Ningjin County, Hebei Province, PEOPLE'S REPUBLIC of CHINA
Factory 1:	Shanghai JA Solar Technology Co., Ltd. No. 118, Lane 3111, West Huancheng Road, Fengxian District, 201401, Shanghai, PEOPLE'S REPUBLIC of CHINA
Factory inspection report no.:	862010153.012
Factory 2:	Hefei JA Solar Technology Co., Ltd. No. 999, Changning Road, Hi-tech Zone, Hefei City, 230088, Anhui Province, PEOPLE'S REPUBLIC of CHINA
Factory inspection report no.:	862010241.011
Factory 3:	JA Solar (Xingtai) Co., Ltd. No. 1688, Chang An Road, Xingtai Economic Development Area, 054000, Xingtai City, Hebei Province,PEOPLE'S REPUBLIC OF CHINA
Factory inspection report no.:	862010290.009
Factory 4:	Yiwu JA Solar Technology Co., Ltd. No.165, Tongze Road, Yiting Town, 322000 Yiwu City, Zhejiang Province, PEOPLE'S REPUBLIC OF CHINA
Factory inspection report no.:	862010513.004
Factory 5:	JA SOLAR VIET NAM COMPANY LIMITED Lot G, Quang Chau Industrial park, Nenh Ward, Bac Ninh Province, Vietnam
Factory inspection report no.:	862010560.003



- Factory 6: **JA Solar New Energy Yangzhou Co., Ltd.**
(Jingshan Park)
No. 123, Jinshan Road, Economic Development Zone, 225127
Yangzhou City, Jiangsu Province, PEOPLE'S REPUBLIC OF CHINA
Factory inspection report no.: 862010584.004
- Factory 7: **DongTai JA Solar Technology Co., Ltd.**
No. 8 Zaofeng North Road, Dongtai High-tech Zone, Dongtai City, 224248,
Yancheng City, Jiangsu Province, PEOPLE'S REPUBLIC OF CHINA
Factory inspection report no.: 862010802.002
- Factory 8: **Inner Mongolia JA Solar PV Technology Co., Ltd.**
No.21, Zhuangbei Avenue, Xin Guihua Area, Equipment Park, Qingshan
District, 014000 Baotou, Inner Mongolia Autonomous Region,
PEOPLE'S REPUBLIC OF CHINA
Factory inspection report no.: 862010874.002
- Factory 9: **QuJing JA Solar Technology Co., Ltd.**
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
Factory inspection report no.: 862010866.002
- Factory 10: **Ordos JA Solar Technology Co., Ltd.**
Room 2007, Office Building, High-tech Development Zone, Dongsheng
District Equipment Manufacturing Base, 017000 Ordos City, Inner
Mongolia, PEOPLE'S REPUBLIC OF CHINA
Factory inspection report no.: 862011003.002



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Factory 11: **Inner Mongolia JA Naoer New Energy Co., Ltd.**
Room 620, Office Building of the Management Committee, No.1 Fuyuan
Road North, Economic and Technological Development Zone,
Bayannur City, Inner Mongolia Autonomous Region, China

Factory inspection report no.: 862011027.002

Factory 12: **MEM PANEL SOLAR ENERJI SANAYI VE TICARET A.S.**
Organized Industrial Site 3. Street No: 4 Onikisubat, 46050
Kahramanmaras, TURKIYE

Factory inspection report no.: 862011040.001

Factory 13: **American Panel Solutions LLC**
1975 South 99th Avenue, Phoenix, AZ 85353, USA

Factory inspection report no.: 862011080.001

Remark:

Factory inspection is mandatory to be performed annually. Please refer to factory inspection report for detailed information.



Description of product(s):

Module types:	Single Glass PV Modules with PERC Mono-crystalline Silicon Solar Cells (182mm grade, 1/2 cut): 144 cells: JAM72S30-xxx/MR (xxx=525-560, in steps of 5) 132 cells: JAM66S30-xxx/MR (xxx=480-510, in steps of 5) 108 cells: JAM54S30-xxx/MR (xxx=395-420, in steps of 5) 144 cells: JAM72S30-xxx/LR (xxx=560-580, in steps of 5) 108 cells: JAM54S30-xxx/LR (xxx=415-435, in steps of 5) 144 cells: JAM72S30-xxx/GR (xxx=530-570, in steps of 5) 108 cells: JAM54S30-xxx/GR (xxx=400-425, in steps of 5) xxx indicates rated output power generated from front side under STC
Maximum system voltage:	1500V
Maximum overcurrent protection rating:	25A
Electrical protection class:	Class II
Pollution degree:	1
98th percentile module operating temperature (T ₉₈)	70°C
Design load (positive / negative):	3600 / 1600 Pa
Safety factors:	1.5
Fire safety class:	Class C according to ANSI/UL 1703-2018 (as per ANSI/UL 790-2018)



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Module types:	<p>Single Glass PV Modules with TOPCon Mono-crystalline Silicon Solar Cells (182mm grade, 1/2 cut):</p> <p>144 cells: JAM72S40-xxx/MR (xxx=580-615, in steps of 5) 108 cells: JAM54S40-xxx/MR (xxx=435-450, in steps of 5)</p> <p>144 cells: JAM72S40-xxx/LR (xxx=560-615, in steps of 5) 120 cells: JAM60S40-xxx/LR (xxx=475-515, in steps of 5) 108 cells: JAM54S40-xxx/LR (xxx=420-475, in steps of 5) 108 cells: JAM54S40-xxx/LR-X (xxx=420-475, in steps of 5)</p> <p>144 cells: JAM72S41-xxx/LR (xxx=560-630, in steps of 5) 120 cells: JAM60S41-xxx/LR (xxx=475-525, in steps of 5) 108 cells: JAM54S41-xxx/LR (xxx=420-470, in steps of 5) 144 cells: JAM72S41-xxx/MR (xxx=585-605, in steps of 5) 108 cells: JAM54S41-xxx/MR (xxx=440-450, in steps of 5)</p> <p>144 cells: JAM72S42-xxx/LR (xxx=600-655, in steps of 5) 132 cells: JAM66S42-xxx/MR (xxx=550-600, in steps of 5) 120 cells: JAM60S42-xxx/LR (xxx=500-545, in steps of 5) 108 cells: JAM54S42-xxx/LR (xxx=450-490, in steps of 5)</p> <p>144 cells: JAM72S43-xxx/LR (xxx=595-635, in steps of 5) 132 cells: JAM66S43-xxx/MR (xxx=545-585, in steps of 5) 120 cells: JAM60S43-xxx/LR (xxx=495-530, in steps of 5) 108 cells: JAM54S43-xxx/LR (xxx=445-475, in steps of 5)</p> <p>xxx indicates rated output power generated from front side under STC</p>
Maximum system voltage:	1500V
Maximum overcurrent protection rating:	25A
Electrical protection class:	Class II
Pollution degree:	1
98th percentile module operating temperature (T ₉₈)	70°C
Design load (positive / negative):	3600 / 1600 Pa
Safety factors:	1.5
Fire safety class:	Class C according to ANSI/UL 1703-2018 (as per ANSI/UL 790-2018)



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Consumer Products

Module types:	Single Glass PV Modules with TOPCon Mono-crystalline Silicon Solar Cells (182 x 210mm grade, 1/2 cut): 132 cells: JAM66S45-xxx/LR (xxx=600-635, in steps of 5) xxx indicates rated output power generated from front side under STC
Maximum system voltage:	1500V
Maximum overcurrent protection rating:	30A
Electrical protection class:	Class II
Pollution degree:	1
98th percentile module operating temperature (T ₉₈)	70°C
Design load (positive / negative):	3600 / 1600 Pa
Safety factors:	1.5
Fire safety class:	Class C according to ANSI/UL 1703-2018 (as per ANSI/UL 790-2018)



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Consumer Products

Module types:	Single Glass PV Modules with ABC Mono-crystalline Silicon Solar Cells (182mm grade, 1/2 cut): 120 cells: JAT60S40-xxx/LR (xxx=510-540, in steps of 5) 108 cells: JAT54S40-xxx/LR (xxx=460-485, in steps of 5) 120 cells: JAT60S41-xxx/LR (xxx=505-530, in steps of 5) 108 cells: JAT54S41-xxx/LR (xxx=455-475, in steps of 5) xxx indicates rated output power generated from front side under STC
Maximum system voltage:	1500V
Maximum overcurrent protection rating:	25A
Electrical protection class:	Class II
Pollution degree:	1
98th percentile module operating temperature (T ₉₈)	70°C
Design load (positive / negative):	3600 / 1600 Pa
Safety factors:	1.5
Fire safety class:	Class C according to ANSI/UL 1703-2018 (as per ANSI/UL 790-2018)

Remark:

For detailed product information, please refer to CDF (Constructional Data Form) attached to test report with same file no.



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