

# 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: 2024-06-11

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; IEC 61730-2:2023.
Registered No.:	44 780 24 406749 - 135R1A1M1
Manufacturer and factory(-ies):	See Annex 1
Test Report No.:	492013100.002
File No.:	PVP12157/23P-01



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Essen, 2024-06-11

Please also pay attention to the information stated overleaf.

**Manufacturer and factory(-ies):**

Manufacturer:	<b>JA Solar Technology Co., Ltd.</b> No.123 Xinxing Road, 055550 Ningjin County, Hebei Province, PEOPLE'S REPUBLIC of CHINA
Factory 1:	<b>Shanghai JA Solar Technology Co., Ltd.</b> No. 118, Lane 3111, West Huancheng Road, Fengxian District, 201401, Shanghai, PEOPLE'S REPUBLIC of CHINA
Factory inspection report no.:	862010153.011
Factory 2:	<b>Hefei JA Solar Technology Co., Ltd.</b> No. 999, Changning Road, Hi-tech Zone, Hefei City, 230088, Anhui Province, PEOPLE'S REPUBLIC of CHINA
Factory inspection report no.:	862010241.010
Factory 3:	<b>JA Solar (Xingtai) Co., Ltd.</b> No. 1688, Chang An Road, Xingtai Economic Development Area, 054000, Xingtai City, Hebei Province,PEOPLE'S REPUBLIC OF CHINA
Factory inspection report no.:	862010290.008
Factory 4:	<b>JA Solar New Energy Yangzhou Co., Ltd.</b> No.1, Jianhua Road, Economic Development Zone, 225000, Yangzhou City, Jiangsu Province, PEOPLE'S REPUBLIC OF CHINA
Factory inspection report no.:	862010496.004
Factory 5:	<b>Yiwu JA Solar Technology Co., Ltd.</b> No.165, Tongze Road, Yiting Town, 322000 Yiwu City, Zhejiang Province, PEOPLE'S REPUBLIC OF CHINA
Factory inspection report no.:	862010513.004
Factory 6:	<b>JA SOLAR VIET NAM COMPANY LIMITED</b> Lot G, Quang Chau Industrial Zone, Quang Chau Commune, Viet Yen Dist, 236110 Bac Giang Province, VIETNAM
Factory inspection report no.:	862010560.003



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Factory 7:	<b>HSA ENERJI A.S.</b> OSB III. Kisim Kcciliköy OSB Mah., Mustafa Kemal Bulvari No:15/1., 45030 Yunusemre – Manisa, TURKEY
Factory inspection report no.:	862010735.001
Factory 8:	<b>JA Solar New Energy Yangzhou Co., Ltd.</b> (Jingshan Park) No. 123, Jinshan Road, Economic Development Zone, 225127 Yangzhou City, Jiangsu Province, PEOPLE'S REPUBLIC OF CHINA
Factory inspection report no.:	862010584.003
Factory 9:	<b>Jiangsu Focus Solar Energy Technology Co., Ltd.</b> No.66, Lifa Avenue Development Zone, Hai'an County 226600, Nantong City, Jiangsu Province PEOPLE'S REPUBLIC OF CHINA
Factory inspection report no.:	862010791.002
Factory 10:	<b>VIET NAM EMPIRE SOLAR ENERGY COMPANY LIMITED</b> GiaLe Industrial Zone, DongXuan Commune, DongHung District, 410000 Thái Bình, VIETNAM
Factory inspection report no.:	862010794.002
Factory 11:	<b>DongTai JA Solar Technology Co., Ltd.</b> 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.:	862010802.001
Factory 12:	<b>Inner Mongolia JA Solar PV Technology Co., Ltd.</b> 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.:	862010874.001



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Factory 13: **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.: 862010866.001

Remark:

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



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**Description of product(s):**

Module types:	<b>Single Glass PV Modules with PERC Mono-crystalline Silicon Solar Cells (182mm grade, 1/2 cut):</b> 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=420-435, 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 <sub>98</sub> )	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:	<b>Single Glass PV Modules with TOPCon Mono-crystalline Silicon Solar Cells (182mm grade, 1/2 cut):</b> 144 cells: JAM72S40-xxx/LR (xxx=560-600, in steps of 5) 120 cells: JAM60S40-xxx/LR (xxx=475-500, in steps of 5) 108 cells: JAM54S40-xxx/LR (xxx=420-450, in steps of 5)  144 cells: JAM72S41-xxx/LR (xxx=560-595, in steps of 5) 120 cells: JAM60S41-xxx/LR (xxx=475-495, in steps of 5) 108 cells: JAM54S41-xxx/LR (xxx=420-445, in steps of 5)  132 cells: JAM66S42-xxx/MR (xxx=550-590, in steps of 5) 120 cells: JAM60S42-xxx/LR (xxx=500-535, in steps of 5) 108 cells: JAM54S42-xxx/LR (xxx=450-480, 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) 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 <sub>98</sub> )	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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