

CERTIFICATE

TÜV NORD CERT GmbH
herewith declares that

DAS SOLAR CO., LTD.
No.43, South of Bailing Rd., Quzhou City,
Zhejiang Province, 324000
P.R. 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 until: 2028-10-09

Certification program:	P12-VA-01 Rev. 17 09.20
Certification fundamental(s):	IEC 62716:2013 / EN 62716:2013 + AC:2014.
Registered No.:	44 780 23 406749 - 347R3A1M3
Manufacturer:	see Annex 1
Test Report No.:	492012644.004
File No.:	PVP11210/23P-01



TÜV NORD CERT GmbH
Certification Body
Consumer Products



Essen, 2024-01-31

Please also pay attention to the information stated overleaf.

Manufacturer:

- Manufacturer 1: **DAS SOLAR CO., LTD.**
No.43, South of Bailing Rd., Quzhou City,
Zhejiang Province, 324000 P.R. China
Factory inspection report no.: 862010455.005
- Manufacturer 2: **DAS SOLAR (Taizhou) CO., LTD.**
No.107, Yaojia Road,Hailing District 225312 Taizhou City,
Jiangsu Province, People's Republic of China
Factory inspection report no.: 862010820.001
- Manufacturer 3: **Hefei GCL System Integration New Energy Technology Co., Ltd.**
Southeast Corner of Intersection of Sidingshan Road and Ruquan Road
Hefei Circular Economy Demonstration Park, Feidong County 231699
Hefei, Anhui PEOPLE'S REPUBLIC OF CHINA
Factory inspection report no.: 862010821.001
- Manufacturer 4: **Anhui Linyang Photovoltaic Equipment Co., LTD.**
Intersection of Caihong Avenue and South Ring Road, Toupu Town,Wuhe
County, 233000 Bengbu City, Anhui Province PEOPLE'S REPUBLIC OF
CHINA
Factory inspection report no.: 862010822.001
- Manufacturer 5: **DAS SOLAR (Zhangzhou) CO., LTD.**
No.1 Xingcai 3th Road,Dongshan County 363401 Zhangzhou City,
Fujian Province PEOPLE'S REPUBLIC OF CHINA
Factory inspection report no.: 862010823.001
- Manufacturer 6: **Gansu dongkong DAS SOLAR CO., LTD.**
NO.1 Jingsi Road, New Energy Equipment Industrial Park, Yongchang
Town, Liangzhou District, 733000 Wuwei City,Gansu Province
Factory inspection report no.: 862010824.001



Manufacturer 7: **DAS SOLAR (JingShan)Co.,LTD.**
No.8, Panyan Road, Yongxing Street, Jingshan City,
Jingmen City,431899, Hubei Province, P.R.China
Factory inspection report no.: 862010825.001

Manufacturer 8: **Beihai DAS SOLAR CO., LTD.**
No.15, Floor 4, Tieshan Port Joint Inspection Building, Xinggang Town,
Tieshan Port District,536000 Beihai City,Guangxi Zhuang Autonomous
Region
Factory inspection report no.: 862010826.001

Manufacturer 9: **Das Solar Changtong Renewable Energy (Guizhou) Co., LTD.**
4th Gongye Road, Wu Li Gang Jie Dao, Weining County, Bijie
Guizhou,553199, China
Factory inspection report no.: 862010827.001

Manufacturer 10: **DAS SOLAR (Shuozhou) CO., LTD.**
No. 209 Youyi East Street, Economic Development Zone,
036000 Shuozhou City, Shanxi Province PEOPLE'S
REPUBLIC OF CHINA
Factory inspection report no.: 862010829.001

Remark:

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



Description of product(s):

Module types:

Double Glass PV Modules with Half-cut PERC Mono-crystalline Silicon Solar Cells:

144 cells: DAS-DH144P-xxx (xxx = 360-425, in increment of 5)

132 cells: DAS-DH132P-xxx (xxx = 330-390, in increment of 5)

120 cells: DAS-DH120P-xxx (xxx = 300-355, in increment of 5)

144 cells: DAS-DH144P6-xxx (xxx = 410-465, in increment of 5)

132 cells: DAS-DH132P6-xxx (xxx = 375-425, in increment of 5)

120 cells: DAS-DH120P6-xxx (xxx = 340-385, in increment of 5)

156 cells: DAS-DH156PA-xxx (xxx = 570-610, in increment of 5)

144 cells: DAS-DH144PA-xxx (xxx = 510-565, in increment of 5)

132 cells: DAS-DH132PA-xxx (xxx = 470-515, in increment of 5)

120 cells: DAS-DH120PA-xxx (xxx = 425-470, in increment of 5)

108 cells: DAS-DH108PA-xxx (xxx = 385-425, in increment of 5)

120 cells: DAS-DH120PB-xxx (xxx = 565-620, in increment of 5)

Remark: xxx indicates output power from the front side only.

Maximum system voltage:

1500V

Fuse rating:

20A or 30A

Application class:

Class A

Electrical protection class:

Class II

Module types:

Double Glass PV Modules with Half-cut TOPCon Mono-crystalline Silicon Solar Cells:

144 cells: DAS-DH144N-xxx (xxx = 390-415, in increment of 5)

120 cells: DAS-DH120N-xxx (xxx = 325-345, in increment of 5)

144 cells: DAS-DH144NB-xxx (xxx = 410-425, in increment of 5)

120 cells: DAS-DH120NB-xxx (xxx = 340-355, in increment of 5)

156 cells: DAS-DH156NA-xxx (xxx = 585-635, in increment of 5)

144 cells: DAS-DH144NA-xxx (xxx = 530-590, in increment of 5)

132 cells: DAS-DH132NA-xxx (xxx = 485-540, in increment of 5)

120 cells: DAS-DH120NA-xxx (xxx = 445-490, in increment of 5)

108 cells: DAS-DH108NA-xxx (xxx = 400-440, in increment of 5)

144 cells: DAS-DH144ND-xxx (xxx = 580-615, in increment of 5)

108 cells: DAS-DH108ND-xxx (xxx = 435-460, in increment of 5)

Remark: xxx indicates output power from the front side only.

Maximum system voltage:

1500V

Fuse rating:

20A or 30A



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Certification Body
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Application class: Class A

Electrical protection class: Class II

Module types: **Double Glass PV Modules with Half-cut PERC Mono-crystalline Silicon Solar Cells:**

144 cells: DAS-DH144P-xxxB (xxx = 420-465, in increment of 5)

120 cells: DAS-DH120P-xxxB (xxx = 350-385, in increment of 5)

144 cells: DAS-DH144P6-xxxB (xxx = 475-515, in increment of 5)

120 cells: DAS-DH120P6-xxxB (xxx = 395-430, in increment of 5)

144 cells: DAS-DH144PA-xxxB (xxx = 590-625, in increment of 5)

132 cells: DAS-DH132PA-xxxB (xxx = 545-570, in increment of 5)

120 cells: DAS-DH120PA-xxxB (xxx = 495-520, in increment of 5)

108 cells: DAS-DH108PA-xxxB (xxx = 445-470, in increment of 5)

Remark: xxxB indicate the output power from the front side with 1000W/m² and the rear side with 200W/m².

Maximum system voltage: 1500V

Fuse rating: 20A or 30A

Application class: Class A

Electrical protection class: Class II

Module types: **Double Glass PV Modules with Half-cut TOPCon Mono-crystalline Silicon Solar Cells:**

144 cells: DAS-DH144NB-xxxB (xxx = 475-490, in increment of 5)

120 cells: DAS-DH120NB-xxxB (xxx = 395-405, in increment of 5)

144 cells: DAS-DH144N-xxxB (xxx = 450-475, in increment of 5)

120 cells: DAS-DH120N-xxxB (xxx = 375-395, in increment of 5)

Remark: xxxB indicate the output power from the front side with 1000W/m² and the rear side with 200W/m².

Maximum system voltage: 1500V

Fuse rating: 20A or 30A

Application class: Class A

Electrical protection class: Class II

Remark:

For detailed product information, please refer to CDF (Constructional Data Form) in Annex 1 of test report.

