



Product Service

# CERTIFICATE

No. Z2 102627 0005 Rev. 22

**Holder of Certificate:** **DAS SOLAR CO., LTD.**  
No. 43, South of Bailing Rd  
324022 Quzhou City, Zhejiang Province  
PEOPLE'S REPUBLIC OF CHINA

**Certification Mark:**



**Product:** **Crystalline Silicon Terrestrial Photovoltaic (PV) Modules**  
**Mono-crystalline Silicon Photovoltaic Module**

The product was tested on a voluntary basis and complies with the essential requirements. The certification mark shown above can be affixed on the product. It is not permitted to alter the certification mark in any way. In addition, the certification holder must not transfer the certificate to third parties. This certificate is valid until the listed date, unless it is cancelled earlier. All applicable requirements of the testing and certification regulations of TÜV SÜD Group have to be complied. For details see: [www.tuvsud.com/ps-cert](http://www.tuvsud.com/ps-cert)

**Test report no.:** 704061906702-22

**Valid until:** 2028-10-09

**Date,** 2023-10-12

( Zhulin Zhang )

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## Model(s):

Maximum System Voltage: 1000 V DC Modules:

DAS-WOAP-xxx, xxx= 385 to 430, in step of 5;  
 DAS-WOBP-xxx, xxx= 345 to 370, in step of 5;  
 DAS-WOCP-xxx, xxx= 315 to 350, in step of 5;  
 DAS-WH144P-xxx, xxx= 370 to 410 in step of 5;  
 DAS-WH120P-xxx, xxx= 310 to 340 in step of 5;

Maximum System Voltage: 1500 V DC Modules:

DAS-WOAPH-xxx, xxx= 385 to 430, in step of 5;  
 DAS-WOBPH-xxx, xxx= 345 to 370, in step of 5;  
 DAS-WOCPH-xxx, xxx= 315 to 350, in step of 5;  
 DAS-WH144PH-xxx, xxx= 370 to 410 in step of 5;  
 DAS-WH120PH-xxx, xxx= 310 to 340 in step of 5;  
 DAS-WH144P6-xxx, xxx= 425 to 455 in step of 5;  
 DAS-WH120P6-xxx, xxx= 355 to 380 in step of 5;  
 DAS-WH144PA-xxx, xxx= 510 to 565 in step of 5;  
 DAS-WH132PA-xxx, xxx= 470 to 515 in step of 5;  
 DAS-WH120PA-xxx, xxx= 425 to 470 in step of 5;  
 DAS-WH108PA-xxx, xxx= 385 to 425 in step of 5;  
 DAS-WH120PB-xxx, xxx=565 to 620 in step of 5;  
 DAS-WH156PA-xxx, xxx= 570 to 610 in step of 5;  
 DAS-WH156NA-xxx, xxx=580 to 630 in step of 5;  
 DAS-WH144NA-xxx, xxx=535 to 585 in step of 5;  
 DAS-WH132NA-xxx, xxx=490 to 535 in step of 5;  
 DAS-WH120NA-xxx, xxx=445 to 485 in step of 5;  
 DAS-WH108NA-xxx, xxx=400 to 435 in step of 5;

All electrical data is shown as relative to standard test conditions:

front side irradiance 1000 W/m<sup>2</sup>, 25 °C, AM 1.5)

- 1) DAS-DH144P-xxx, xxx=360 to 425 in step of 5;
  - 2) DAS-DH120P-xxx, xxx=300 to 355 in step of 5;
  - 3) DAS-DH144P6-xxx, xxx=410 to 465 in step of 5;
  - 4) DAS-DH120P6-xxx, xxx=340 to 385 in step of 5;
  - 5) DAS-DH144NB-xxx, xxx=410 to 425 in step of 5;
  - 6) DAS-DH120NB-xxx, xxx=340 to 355 in step of 5;
  - 7) DAS-DH144N-xxx, xxx=390 to 415 in step of 5;
  - 8) DAS-DH120N-xxx, xxx=325 to 345 in step of 5;
  - 9) DAS-DH144PA-xxx, xxx= 510 to 565 in step of 5;
  - 10) DAS-DH132PA-xxx, xxx= 470 to 515 in step of 5;
  - 11) DAS-DH120PA-xxx, xxx= 425 to 470 in step of 5;
  - 12) DAS-DH108PA-xxx, xxx= 385 to 425 in step of 5;
  - 13) DAS-DH132P-xxx, xxx=330 to 390 in step of 5;
  - 14) DAS-DH132P6-xxx, xxx=375 to 425 in step of 5;
  - 15) DAS-DH144NA-xxx, xxx=530 to 590 in step of 5;
  - 16) DAS-DH132NA-xxx, xxx=485 to 540 in step of 5;
  - 17) DAS-DH120NA-xxx, xxx=445 to 490 in step of 5;
  - 18) DAS-DH108NA-xxx, xxx=400 to 440 in step of 5;
  - 19) DAS-DH120PB-xxx, xxx=565 to 620 in step of 5;
  - 20) DAS-DH156NA-xxx, xxx=585 to 635 in step of 5;
  - 21) DAS-DH156PA-xxx, xxx=570 to 610 in step of 5;
  - 22) DAS-DH144ND-xxx, xxx=580 to 600 in step of 5;
  - 23) DAS-DH108ND-xxx, xxx=435 to 450 in step of 5;
- xxx is standing for rated output power at STC

All electrical data is shown as relative to this test conditions: front side irradiance 1000 W/m<sup>2</sup>, backside irradiance 200 W/m<sup>2</sup>, 25 °C, AM 1.5

- 1) DAS-DH144P-xxxB, xxx=420 to 465 in step of 5;
- 2) DAS-DH120P-xxxB, xxx=350 to 385 in step of 5;
- 3) DAS-DH144P6-xxxB, xxx=475 to 515 in step of 5;
- 4) DAS-DH120P6-xxxB, xxx=395 to 430 in step of 5;



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- 5) DAS-DH144NB-xxxB, xxx=475 to 490 in step of 5;
- 6) DAS-DH120NB-xxxB, xxx=395 to 405 in step of 5;
- 7) DAS-DH144N-xxxB, xxx=450 to 475 in step of 5;
- 8) DAS-DH120N-xxxB, xxx=375 to 395 in step of 5;
- 9)DAS-DH144PA-xxxB, xxx= 590 to 625 in step of 5;
- 10)DAS-DH132PA-xxxB, xxx= 545 to 570 in step of 5;
- 11)DAS-DH120PA-xxxB, xxx= 495 to 520 in step of 5;
- 12)DAS-DH108PA-xxxB, xxx= 445 to 470 in step of 5;

## Parameters:

Safety Class:	ClassII
Max. System Voltage:	1500V DC or 1000V DC
Test Laboratory:	Yangzhou Opto-Electrical Product Testing Institute No.10 West Kaifa Road, Yangzhou, 225009 Jiangsu P.R.China
Construction:	Framed or Frameless, with Junction box, cable and connector.
Fire Safety Class:	Class C according to UL790

## Tested according to:

IEC 61215-1:2016  
IEC 61215-1-1:2016  
IEC 61215-2:2016  
IEC 61730-1:2016  
IEC 61730-2:2016