ZERTIFIKAT ◆ CERTIFICATE ◆ 認證證書 ◆ СЕРТИФИКАТ ◆ CERTIFICADO ◆ CERTIFICAT

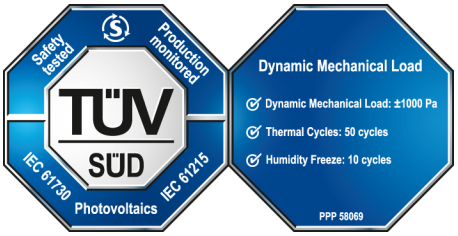
Product Service

C E R T I F I C A T E

No. Z2 072092 0284 Rev. 10

Holder of Certificate: **Shanghai JA Solar Technology Co., Ltd.**
No. 118, Lane 3111
West Huancheng Road
Fengxian District
201401 Shanghai
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

Test report no.: 704061800704-15

Valid until: 2028-10-22

Date, 2023-10-23

(Zhulin Zhang)

TÜV SÜD Product Service GmbH • Certification Body • Ridlerstraße 65 • 80339 Munich • Germany

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Model(s):

1500 V DC system voltage double Glass module,
JAM72D00-xxx/BP, xxx= 350 to 385 in steps of 5
JAM60D00-xxx/BP, xxx= 290 to 320 in steps of 5
JAM72D00-xxx/PR, xxx= 340 to 370 in steps of 5
JAM60D00-xxx/PR, xxx= 285 to 315 in steps of 5
JAM60D20-xxx/MB, xxx= 355 to 385 in steps of 5
JAM72D20-xxx/MB, xxx= 430 to 465 in steps of 5
JAM60D10-xxx/MB, xxx= 320 to 355 in steps of 5
JAM72D10-xxx/MB, xxx= 385 to 430 in steps of 5
JAM78D30-xxx/MB, xxx= 580 to 605 in steps of 5
JAM72D30-xxx/MB, xxx= 505 to 555 in steps of 5
JAM66D30-xxx/MB, xxx= 465 to 505 in steps of 5
JAM60D30-xxx/MB, xxx= 435 to 460 in steps of 5
JAM54D30-xxx/MB, xxx= 390 to 415 in steps of 5
JAM54D31-xxx/MB, xxx= 395 to 400 in steps of 5
JAM78D30-xxx/GB, xxx= 585 to 610 in steps of 5
JAM72D30-xxx/GB, xxx= 540 to 560 in steps of 5
JAM66D30-xxx/GB, xxx= 495 to 510 in steps of 5
JAM60D30-xxx/GB, xxx= 450 to 470 in steps of 5
JAM54D30-xxx/GB, xxx= 405 to 420 in steps of 5
JAM54D31-xxx/GB, xxx= 410 to 420 in steps of 5
JAM78D40-xxx/MB, xxx= 580 to 630 in steps of 5
JAM72D40-xxx/MB, xxx= 540 to 590 in steps of 5
JAM66D40-xxx/MB, xxx= 500 to 535 in steps of 5
JAM60D40-xxx/MB, xxx= 455 to 485 in steps of 5
JAM54D40-xxx/MB, xxx= 405 to 440 in steps of 5
JAM78D40-xxx/GB, xxx= 580 to 635 in steps of 5
JAM72D40-xxx/GB, xxx= 540 to 585 in steps of 5
JAM66D40-xxx/GB, xxx= 500 to 535 in steps of 5
JAM60D40-xxx/GB, xxx= 455 to 485 in steps of 5
JAM54D40-xxx/GB, xxx= 405 to 440 in steps of 5
JAM54D41-xxx/GB, xxx= 415 to 435 in steps of 5
JAM66D35-xxx/MB, xxx= 650 to 665 in steps of 5
JAM60D35-xxx/MB, xxx= 590 to 605 in steps of 5
JAM72D42-xxx/LB, xxx= 600 to 635 in steps of 5
JAM66D42-xxx/MB, xxx= 555 to 580 in steps of 5
JAM54D42-xxx/LB, xxx= 455 to 470 in steps of 5
JAM72D30-xxx/LB, xxx= 555 to 575 in steps of 5
JAM54D30-xxx/LB, xxx= 420 to 430 in steps of 5
JAM72D40-xxx/LB, xxx= 560 to 600 in steps of 5
JAM54D40-xxx/LB, xxx= 420 to 450 in steps of 5
JAM54D41-xxx/LB, xxx= 420 to 440 in steps of 5
JAM66D45-xxx/LB, xxx= 585 to 605 in steps of 5

1000 V DC or 1500V DC system voltage Single Glass module,
JAM72S01-xxx/PR, xxx= 345 to 390 in steps of 5
JAM60S01-xxx/PR, xxx= 285 to 325 in steps of 5
JAM72S20-xxx/MR, xxx= 430 to 470 in steps of 5
JAM60S20-xxx/MR, xxx= 355 to 390 in steps of 5
JAM72S10-xxx/MR, xxx= 390 to 430 in steps of 5
JAM60S10-xxx/MR, xxx= 325 to 355 in steps of 5
JAM78S30-xxx/MR, xxx= 580 to 605 in steps of 5
JAM72S30-xxx/MR, xxx= 510 to 555 in steps of 5
JAM66S30-xxx/MR, xxx= 470 to 505 in steps of 5
JAM60S30-xxx/MR, xxx= 435 to 460 in steps of 5
JAM54S30-xxx/MR, xxx= 390 to 425 in steps of 5

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JAM72S31-xxx/MR, xxx= 510 to 545 in steps of 5
JAM66S31-xxx/MR, xxx= 470 to 500 in steps of 5
JAM60S31-xxx/MR, xxx= 425 to 450 in steps of 5
JAM54S31-xxx/MR, xxx= 385 to 415 in steps of 5
JAM72S17-xxx/MR, xxx= 390 to 430 in steps of 5
JAM60S17-xxx/MR, xxx= 315 to 355 in steps of 5
JAM60S21-xxx/MR, xxx= 355 to 390 in steps of 5
JAM72S40-xxx/GR, xxx= 540 to 575 in steps of 5
JAM66S40-xxx/GR, xxx= 495 to 525 in steps of 5
JAM60S40-xxx/GR, xxx= 450 to 480 in steps of 5
JAM54S40-xxx/GR, xxx= 405 to 430 in steps of 5
JAM72S41-xxx/GR, xxx= 540 to 570 in steps of 5
JAM66S41-xxx/GR, xxx= 495 to 525 in steps of 5
JAM60S41-xxx/GR, xxx= 450 to 475 in steps of 5
JAM54S41-xxx/GR, xxx= 405 to 430 in steps of 5
JAM66S35-xxx/MR, xxx= 650 to 670 in steps of 5
JAM60S35-xxx/MR, xxx= 590 to 610 in steps of 5
JAM78S30-xxx/GR, xxx= 575 to 610 in steps of 5
JAM72S30-xxx/GR, xxx= 535 to 560 in steps of 5;
JAM66S30-xxx/GR, xxx= 500 to 510 in steps of 5;
JAM60S30-xxx/GR, xxx= 445 to 470 in steps of 5;
JAM54S30-xxx/GR, xxx= 400 to 420 in steps of 5;
JAM72S30-xxx/LR, xxx= 555 to 580 in steps of 5;
JAM54S30-xxx/LR, xxx= 415 to 435 in steps of 5;
JAM54S31-xxx/LR, xxx= 415 to 420 in steps of 5;
xxx is standing for rated output power at STC

Parameters:

Construction:	Framed or Frameless, with Junction box, Cable and Connectors.
Safety Class:	Class II
Maximum System Voltage:	1500 V DC or 1000 V DC
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
PPP 58069A:2013
IEC TS 62782:2016

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