



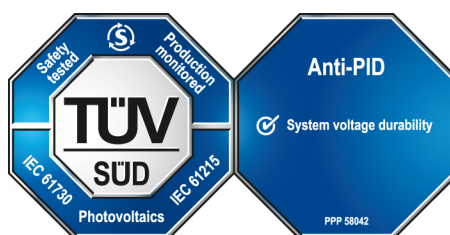
Product Service

# CERTIFICATE

No. Z2 072092 0300 Rev. 15

**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](http://www.tuvsud.com/ps-cert)

**Test report no.:** 704061900211-15

**Valid until:** 2027-01-25

**Date,** 2022-01-26

( Zhulin Zhang )

ZERTIFIKAT ◆ CERTIFICATE ◆ 認證證書 ◆ CERTIFICADO ◆ CERTIFIKAT ◆ CERTIFICATE

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## Model(s):

Maximum System Voltage: 1000 V DC

JAM6(K)-72-xxx/PR, xxx=345 to 370 in step of 5  
JAM6(K)-60-xxx/PR, xxx=285 to 310 in step of 5  
JAM6(K)-72-xxx/4BB, xxx=320 to 345 in step of 5  
JAM6(K)-60-xxx/4BB, xxx=265 to 285 in step of 5  
JAM72S01-xxx/SC/1000V, xxx=320 to 365 in step of 5  
JAM60S01-xxx/SC/1000V, xxx=265 to 305 in step of 5  
JAM72S01-xxx/PR/1000V, xxx=345 to 390 in step of 5  
JAM60S01-xxx/PR/1000V, xxx=285 to 325 in step of 5  
JAM72S03-xxx/PR/1000V, xxx=360 to 395 in step of 5  
JAM60S03-xxx/PR/1000V, xxx=300 to 330 in step of 5  
JAM72S09-xxx/PR/1000V, xxx=370 to 405 in step of 5  
JAM60S09-xxx/PR/1000V, xxx=310 to 335 in step of 5  
JAM72S09-xxx/BP/1000V, xxx=375 to 385 in step of 5  
JAM60S09-xxx/BP/1000V, xxx=315 to 320 in step of 5  
JAM72S10-xxx/PR/1000V, xxx=380 to 410 in step of 5  
JAM60S10-xxx/PR/1000V, xxx=315 to 345 in step of 5  
JAM72S10-xxx/BP/1000V, xxx=385 to 400 in step of 5  
JAM60S10-xxx/BP/1000V, xxx=320 to 330 in step of 5  
JAM72S10-xxx/MR/1000V, xxx=390 to 430 in step of 5  
JAM60S10-xxx/MR/1000V, xxx=325 to 355 in step of 5  
JAM78S10-xxx/MR/1000V, xxx=435 to 465 in step of 5  
JAM66S10-xxx/MR/1000V, xxx=345 to 390 in step of 5  
JAM72S17-xxx/MR/1000V, xxx= 390 to 430 in step of 5  
JAM60S17-xxx/MR/1000V, xxx= 315 to 355 in step of 5  
JAM72S10-xxx/MB/1000V, xxx=395 to 415 in step of 5  
JAM60S10-xxx/MB/1000V, xxx=330 to 345 in step of 5  
JAM72S20-xxx/MR/1000V, xxx=430 to 470 in step of 5  
JAM60S20-xxx/MR/1000V, xxx=355 to 390 in step of 5  
JAM72S30-xxx/MR/1000V, xxx= 510 to 555 in step of 5  
JAM66S30-xxx/MR/1000V, xxx= 470 to 505 in step of 5  
JAM60S30-xxx/MR/1000V, xxx= 435 to 460 in step of 5  
JAM60S21-xxx/MR/1000V, xxx= 355 to 390 in step of 5  
JAM54S30-xxx/MR/1000V, xxx= 390 to 415 in step of 5  
JAM72S20-xxx/MB/1000V, xxx=450 to 465 in step of 5  
JAM60S20-xxx/MB/1000V, xxx=375 to 390 in step of 5  
JAM76S11-xxxPR(B)/1000V, xxx=395 to 415 in step of 5  
JAM78S30-xxx/GR/1000V, xxx=575 to 600 in step of 5  
JAM72S30-xxx/GR/1000V, xxx=535 to 555 in step of 5  
JAM66S30-xxx/GR/1000V, xxx=500 to 505 in step of 5  
JAM60S30-xxx/GR/1000V, xxx=445 to 460 in step of 5  
JAM54S30-xxx/GR/1000V, xxx=400 to 415 in step of 5  
JAM78S31-xxx/GR/1000V, xxx=570 to 590 in step of 5  
JAM72S31-xxx/GR/1000V, xxx=525 to 545 in step of 5  
JAM66S31-xxx/GR/1000V, xxx=480 to 500 in step of 5  
JAM60S31-xxx/GR/1000V, xxx=435 to 450 in step of 5  
JAM54S31-xxx/GR/1000V, xxx=395 to 405 in step of 5  
JAM72S31-xxx/MR/1000V, xxx=510-545 in step of 5  
JAM66S31-xxx/MR/1000V, xxx=470-500 in step of 5  
JAM60S31-xxx/MR/1000V, xxx=425-450 in step of 5  
JAM54S31-xxx/MR/1000V, xxx=385-405 in step of 5  
JAM78S30-xxx/MR/1000V, xxx=580 to 605 in step of 5  
JAM72S17-xxx/GR/1000V, xxx=385 to 400 in step of 5

Maximum System Voltage: 1500 V DC

JAM72D00-xxx/BP/1500V, xxx=330 to 385 in step of 5  
JAM72D00-xxx/BP, xxx=330 to 385 in step of 5  
JAM60D00-xxx/BP/1500V, xxx=275 to 320 in step of 5  
JAM60D00-xxx/BP, xxx=275 to 320 in step of 5  
JAM72D00-xxx/PR/1500V, xxx=340 to 385 in step of 5  
JAM72D00-xxx/PR, xxx=340 to 385 in step of 5  
JAM60D00-xxx/PR/1500V, xxx=285 to 320 in step of 5

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JAM60D00-xxx/PR, xxx=285 to 320 in step of 5  
JAM72D09-xxx/BP/1500V, xxx=360 to 400 in step of 5  
JAM72D09-xxx/BP, xxx=360 to 400 in step of 5  
JAM60D09-xxx/BP/1500V, xxx=300 to 340 in step of 5  
JAM60D09-xxx/BP, xxx=300 to 340 in step of 5  
JAM72D10-xxx/MB/1500V, xxx=385 to 430 in step of 5  
JAM72D10-xxx/MB, xxx=385 to 430 in step of 5  
JAM60D10-xxx/MB/1500V, xxx=320 to 355 in step of 5  
JAM60D10-xxx/MB, xxx=320 to 355 in step of 5  
JAM72D10-xxx/BP/1500V, xxx=385 to 415 in step of 5  
JAM72D10-xxx/BP, xxx=385 to 415 in step of 5  
JAM60D10-xxx/BP/1500V, xxx=320 to 345 in step of 5  
JAM60D10-xxx/BP, xxx=320 to 345 in step of 5  
JAM66D10-xxx/MB, xxx=360 to 380 in step of 5  
JAM66D10-xxx/MB/1500V, xxx=360 to 380 in step of 5  
JAM78D10-xxx/MB, xxx=435 to 455 in step of 5  
JAM78D10-xxx/MB/1500V, xxx=435 to 455 in step of 5  
JAM72D20-xxx/MB, xxx=430 to 465 in step of 5  
JAM72D20-xxx/MB/1500V, xxx=430 to 465 in step of 5  
JAM60D20-xxx/MB, xxx=355 to 385 in step of 5  
JAM60D20-xxx/MB/1500V, xxx=355 to 385 in step of 5  
JAM6(K)-72-xxx/PR/1500V, xxx=345 to 370 in step of 5  
JAM6(K)-60-xxx/PR/1500V, xxx=285 to 310 in step of 5  
JAM6(K)-72-xxx/4BB/1500V, xxx=320 to 345 in step of 5  
JAM6(K)-60-xxx/4BB/1500V, xxx=265 to 285 in step of 5  
JAM72S01-xxx/SC/1500V, xxx=320 to 365 in step of 5  
JAM60S01-xxx/SC/1500V, xxx=265 to 305 in step of 5  
JAM72S01-xxx/PR, xxx=345 to 390 in step of 5  
JAM60S01-xxx/PR/1500V, xxx=285 to 325 in step of 5  
JAM72S03-xxx/PR/1500V, xxx=360 to 395 in step of 5  
JAM60S03-xxx/PR/1500V, xxx=300 to 330 in step of 5  
JAM72S09-xxx/PR/1500V, xxx=370 to 405 in step of 5  
JAM60S09-xxx/PR/1500V, xxx=310 to 335 in step of 5  
JAM72S10-xxx/PR/1500V, xxx=380 to 410 in step of 5  
JAM60S10-xxx/PR/1500V, xxx=315 to 345 in step of 5  
JAM78S10-xxx/MR/1500V, xxx=435 to 465 in step of 5  
JAM66S10-xxx/MR/1500V, xxx=345 to 390 in step of 5  
JAM72S09-xxx/BP/1500V, xxx=375 to 385 in step of 5  
JAM60S09-xxx/BP/1500V, xxx=315 to 320 in step of 5  
JAM72S10-xxx/BP/1500V, xxx=385 to 400 in step of 5  
JAM60S10-xxx/BP/1500V, xxx=320 to 330 in step of 5  
JAM72S10-xxx/MB/1500V, xxx=395 to 415 in step of 5  
JAM60S10-xxx/MB/1500V, xxx=330 to 345 in step of 5  
JAM72S20-xxx/MR/1500V, xxx=430 to 470 in step of 5  
JAM60S20-xxx/MR/1500V, xxx=355 to 390 in step of 5  
JAM72S30-xxx/MR/1500V, xxx= 510 to 555 in step of 5  
JAM66S30-xxx/MR/1500V, xxx= 470 to 505 in step of 5  
JAM60S30-xxx/MR/1500V, xxx= 435 to 460 in step of 5  
JAM60S21-xxx/MR/1500V, xxx= 355 to 390 in step of 5  
JAM72D30-xxx/MB, xxx= 505 to 545 in step of 5  
JAM72D30-xxx/MB/1500V, xxx= 505 to 545 in step of 5  
JAM66D30-xxx/MB, xxx= 465 to 500 in step of 5  
JAM66D30-xxx/MB/1500V, xxx= 465 to 500 in step of 5  
JAM60D30-xxx/MB, xxx= 435 to 455 in step of 5  
JAM60D30-xxx/MB/1500V, xxx= 435 to 455 in step of 5  
JAM54S30-xxx/MR/1500V, xxx= 390 to 415 in step of 5  
JAM54D30-xxx/MB, xxx= 390 to 410 in step of 5  
JAM54D30-xxx/MB/1500V, xxx= 390 to 410 in step of 5  
JAM72S20-xxx/MB/1500V, xxx=450 to 465 in step of 5  
JAM60S20-xxx/MB/1500V, xxx=375 to 390 in step of 5  
JAM76S11-xxxPR(B)/1500V, xxx=395 to 415 in step of 5  
JAM78D30-xxx/GB, JAM78D30-xxx/GB/1500V,

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xxx=585 to 595 in step of 5  
JAM72D30-xxx/GB, JAM72D30-xxx/GB/1500V,  
xxx=540 to 550 in step of 5  
JAM66D30-xxx/GB, JAM66D30-xxx/GB/1500V,  
xxx=495 to 500 in step of 5  
JAM60D30-xxx/GB, JAM60D30-xxx/GB/1500V,  
xxx=450 to 455 in step of 5  
JAM54D30-xxx/GB, JAM54D30-xxx/GB/1500V,  
xxx=405 to 410 in step of 5  
JAM78S30-xxx/GR/1500V, xxx=575 to 600 in step of 5  
JAM72S30-xxx/GR/1500V, xxx=535 to 555 in step of 5  
JAM66S30-xxx/GR/1500V, xxx=500 to 505 in step of 5  
JAM60S30-xxx/GR/1500V, xxx=445 to 460 in step of 5  
JAM54S30-xxx/GR/1500V, xxx=400 to 415 in step of 5  
JAM78S31-xxx/GR/1500V, xxx=570 to 590 in step of 5  
JAM72S31-xxx/GR/1500V, xxx=525 to 545 in step of 5  
JAM66S31-xxx/GR/1500V, xxx=480 to 500 in step of 5  
JAM60S31-xxx/GR/1500V, xxx=435 to 450 in step of 5  
JAM54S31-xxx/GR/1500V, xxx=395 to 405 in step of 5  
JAM72S10-xxx/MR/1500V, xxx=380-430 in step of 5  
JAM60S10-xxx/MR/1500V, xxx=315-355 in step of 5  
JAM72S17-xxx/MR/1500V, xxx=390-430 in step of 5  
JAM60S17-xxx/MR/1500V, xxx=315-355 in step of 5  
JAM72S31-xxx/MR/1500V, xxx=510-545 in step of 5  
JAM66S31-xxx/MR/1500V, xxx=470-500 in step of 5  
JAM60S31-xxx/MR/1500V, xxx=425-450 in step of 5  
JAM54S31-xxx/MR/1500V, xxx=385-405 in step of 5  
JAM78S30-xxx/MR/1500V, xxx=580 to 605 in step of 5  
JAM72S17-xxx/GR/1500V, xxx=385 to 400 in step of 5  
JAM78D30-xxx/MB, JAM78D30-xxx/MB/1500V,  
xxx=580 to 605 in step of 5  
JAM72D30-xxx/HB, JAM72D30-xxx/HB/1500V,  
xxx=530 to 560 in step of 5

Maximum System Voltage: 1000 or 1500 V DC  
JAM72S01-xxx/SC, xxx=320 to 365 in step of 5  
JAM60S01-xxx/SC, xxx=265 to 305 in step of 5  
JAM60S01-xxx/PR, xxx=285 to 325 in step of 5  
JAM72S03-xxx/PR, xxx=360 to 395 in step of 5  
JAM60S03-xxx/PR, xxx=300 to 330 in step of 5  
JAM72S09-xxx/PR, xxx=370 to 405 in step of 5  
JAM60S09-xxx/PR, xxx=310 to 335 in step of 5  
JAM72S10-xxx/PR, xxx=380 to 410 in step of 5  
JAM60S10-xxx/PR, xxx=315 to 345 in step of 5  
JAM72S10-xxx/MR, xxx=390 to 430 in step of 5  
JAM60S10-xxx/MR, xxx=325 to 355 in step of 5  
JAM78S10-xxx/MR, xxx=435 to 465 in step of 5  
JAM66S10-xxx/MR, xxx=345 to 390 in step of 5  
JAM72S09-xxx/BP, xxx=375 to 385 in step of 5  
JAM60S09-xxx/BP, xxx=315 to 320 in step of 5  
JAM72S10-xxx/BP, xxx=385 to 400 in step of 5  
JAM60S10-xxx/BP, xxx=320 to 330 in step of 5  
JAM72S10-xxx/MB, xxx=395 to 415 in step of 5  
JAM60S10-xxx/MB, xxx=330 to 345 in step of 5  
JAM72S20-xxx/MR, xxx=430 to 470 in step of 5  
JAM60S20-xxx/MR, xxx=355 to 390 in step of 5  
JAM78S10-xxx/MR-J, xxx= 435 to 465 in step of 5  
JAM72S30-xxx/MR, xxx= 510 to 555 in step of 5  
JAM66S30-xxx/MR, xxx= 470 to 505 in step of 5  
JAM60S30-xxx/MR, xxx= 435 to 460 in step of 5  
JAM60S21-xxx/MR, xxx= 355 to 390 in step of 5  
JAM54S30-xxx/MR, xxx= 390 to 415 in step of 5

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JAM68S11-xxx/PR(B), xxx= 345 to 365 in step of 5  
JAM72S20-xxx/MB, xxx=450 to 465 in step of 5  
JAM60S20-xxx/MB, xxx=375 to 390 in step of 5  
JAM76S11-xxxPR(B), xxx=395 to 415 in step of 5  
JAM78S30-xxx/GR, xxx=575 to 600 in step of 5  
JAM72S30-xxx/GR, xxx=535 to 555 in step of 5  
JAM66S30-xxx/GR, xxx=500 to 505 in step of 5  
JAM60S30-xxx/GR, xxx=445 to 460 in step of 5  
JAM54S30-xxx/GR, xxx=400 to 415 in step of 5  
JAM78S31-xxx/GR, xxx=570 to 575 in step of 5  
JAM72S31-xxx/GR, xxx=525 to 530 in step of 5  
JAM66S31-xxx/GR, xxx=480 to 485 in step of 5  
JAM60S31-xxx/GR, xxx=435 to 440 in step of 5  
JAM54S31-xxx/GR, xxx=395 to 400 in step of 5  
JAM72S31-xxx/MR, xxx=510-545 in step of 5  
JAM66S31-xxx/MR, xxx=470-500 in step of 5  
JAM60S31-xxx/MR, xxx=425-450 in step of 5  
JAM54S31-xxx/MR, xxx=385-405 in step of 5  
JAM72S17-xxx/MR, xxx= 390 to 430 in step of 5  
JAM60S17-xxx/MR, xxx= 315 to 355 in step of 5  
JAM78S30-xxx/MR, xxx=580 to 605 in step of 5  
JAM72S17-xxx/GR, xxx= 385 to 400 in step of 5  
xxx is standing for rated output power at STC

## Parameters:

Construction:	Framed or Frameless, with Junction box, cable and Connectors.
Fire Safety Class:	Class C or Class A according to UL790.
Safety Class:	Class II
Maximum System Voltage:	1000 V DC or 1500V DC
PID Test Condition:	±1000 V DC, 96h, 60°C, 85% RH or 96h, 85°C, 85% RH ±1500 V DC, 96h, 85°C, 85% RH
PID testing method according to IEC TS 62804-1:2015	

## Tested according to:

IEC 61215-1(ed.1)  
IEC 61215-1-1(ed.1)  
IEC 61215-2(ed.1)  
IEC 61730-1(ed.2)  
IEC 61730-2(ed.2)  
PPP 58042B:2015