



No. Z2 072092 0295 Rev. 48

### 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.:

704061604115-63

Valid until:

2027-09-19

Date,

2022-09-21

gztis

(Zhulin Zhang)



No. Z2 072092 0295 Rev. 48

Model(s):

1500 V DC Maximum System voltage, Fire Safety Class A or C Modules: JAM72D00-xxx/BP/1500V, JAM72D00-xxx/BP, xxx= 330 to 385 in steps of 5; JAM60D00-xxx/BP/1500V, JAM60D00-xxx/BP, xxx= 275 to 320 in steps of 5; JAM60D00-xxx/PR/1500V, JAM60D00-xxx/PR, xxx= 285 to 320 in steps of 5; JAM72D00-xxx/PR/1500V,JAM72D00-xxx/PR, xxx= 340 to 385 in steps of 5; JAM60D00-xxx/MB/1500V, JAM60D00-xxx/MB, xxx= 310 to 315 in steps of 5; JAM72D00-xxx/MB/1500V, JAM72D00-xxx/MB, xxx= 370 to 380 in steps of 5; JAM72D09-xxx/BP/1500V, JAM72D09-xxx/BP, xxx= 360 to 400 in steps of 5; JAM60D09-xxx/BP/1500V, JAM60D09-xxx/BP, xxx= 300 to 340 in steps of 5; JAM72D10-xxx/MB/1500V, JAM72D10-xxx/MB, xxx= 385 to 430 in steps of 5; JAM60D10-xxx/MB/1500V, JAM60D10-xxx/MB, xxx= 320 to 355 in steps of 5; JAM72D10-xxx/BP/1500V, JAM72D10-xxx/BP, xxx= 385 to 415 in steps of 5; JAM60D10-xxx/BP/1500V, JAM60D10-xxx/BP, xxx= 320 to 345 in steps of 5; JAM66D10-xxx/MB/1500V, JAM66D10-xxx/MB, xxx= 360 to 380 in steps of 5; JAM78D10-xxx/MB/1500V, JAM78D10-xxx/MB, xxx= 435 to 455 in steps of 5; JAM72D20-xxx/MB/1500V, JAM72D20-xxx/MB, xxx= 430 to 465 in steps of 5; JAM60D20-xxx/MB/1500V, JAM60D20-xxx/MB, xxx= 355 to 385 in steps of 5; JAM72D10-xxx/TB/1500V, JAM72D10-xxx/TB, xxx= 400 to 420 in steps of 5; JAM60D10-xxx/TB/1500V, JAM60D10-xxx/TB, xxx= 335 to 350 in steps of 5; JAM78D30-xxx/MB/1500V, JAM78D30-xxx/MB, xxx= 580 to 605 in steps of 5; JAM72D30-xxx/MB/1500V, JAM72D30-xxx/MB, xxx= 505 to 555 in steps of 5; JAM72D30-xxx/MB/F/1500V, JAM72D30-xxx/MB/F, xxx= 505 to 555 in steps of 5; JAM66D30-xxx/MB/1500V, JAM66D30-xxx/MB, xxx= 465 to 505 in steps of 5; JAM66D30-xxx/MB/F/1500V, JAM66D30-xxx/MB/F, xxx= 465 to 505 in steps of 5: JAM60D30-xxx/MB/1500V, JAM60D30-xxx/MB, xxx=435 to 460 in steps of 5; JAM54D30-xxx/MB/1500V, JAM54D30-xxx/MB, xxx= 390 to 415 in steps of 5; JAM50D40-xxx/MB/1500V, JAM50D40-xxx/MB, xxx= 485 to 500 in steps of 5; JAM78D30-xxx/GB/1500V, JAM78D30-xxx/GB, xxx= 585 to 595 in steps of 5; JAM72D30-xxx/GB/1500V, JAM72D30-xxx/GB, xxx= 540 to 560 in steps of 5; JAM66D30-xxx/GB/1500V, JAM66D30-xxx/GB, xxx= 495 to 510 in steps of 5; JAM60D30-xxx/GB/1500V, JAM60D30-xxx/GB, xxx= 450 to 465 in steps of 5; JAM54D30-xxx/GB/1500V, JAM54D30-xxx/GB, xxx= 405 to 420 in steps of 5; JAM72D30-xxx/HB/1500V, JAM72D30-xxx/HB, xxx= 530 to 560 in steps of 5; JAM78D40-xxx/MB/1500V, JAM78D40-xxx/MB, xxx= 580 to 610 in steps of 5; JAM72D40-xxx/MB/1500V, JAM72D40-xxx/MB, xxx= 540 to 560 in steps of 5; JAM66D40-xxx/MB/1500V, JAM66D40-xxx/MB, xxx= 500 to 515 in steps of 5; JAM60D40-xxx/MB/1500V, JAM60D40-xxx/MB, xxx= 455 to 470 in steps of 5; JAM54D40-xxx/MB/1500V, JAM54D40-xxx/MB, xxx= 405 to 420 in steps of 5; JAM78D40-xxx/GB/1500V, JAM78D40-xxx/GB, xxx= 580 to 630 in steps of 5; JAM72D40-xxx/GB/1500V, JAM72D40-xxx/GB, xxx= 540 to 580 in steps of 5; JAM66D40-xxx/GB/1500V, JAM66D40-xxx/GB, xxx= 500 to 530 in steps of 5; JAM60D40-xxx/GB/1500V, JAM60D40-xxx/GB, xxx= 455 to 480 in steps of 5; JAM54D40-xxx/GB/1500V, JAM54D40-xxx/GB, xxx= 405 to 435 in steps of 5; 1000 V DC Maximum System voltage, Fire Safety Class C Modules: JAM6(K)-72-xxx/PR, xxx= 345 to 370 in steps of 5; JAM6(K)-60-xxx/PR, xxx= 285 to 310 in steps of 5; JAM6(K)-72-xxx/4BB, xxx= 320 to 345 in steps of 5; JAM6(K)-60-xxx/4BB, xxx= 265 to 285 in steps of 5; JAM72S01-xxx/SC/1000V, xxx= 320 to 365 in steps of 5; JAM60S01-xxx/SC/1000V, xxx= 265 to 305 in steps of 5; JAM72S01-xxx/PR/1000V, xxx= 345 to 390 in steps of 5; JAM60S01-xxx/PR/1000V, xxx= 285 to 325 in steps of 5; JAM72S01-xxx/MR/1000V, xxx= 365 to 385 in steps of 5; JAM60S01-xxx/MR/1000V, xxx= 305 to 320 in steps of 5; JAM72S03-xxx/PR/1000V, xxx= 360 to 395 in steps of 5; JAM60S03-xxx/PR/1000V, xxx= 300 to 330 in steps of 5; JAM72S09-xxx/PR/1000V, xxx= 370 to 405 in steps of 5; JAM60S09-xxx/PR/1000V, xxx= 310 to 335 in steps of 5; JAM72S10-xxx/PR/1000V, xxx= 380 to 410 in steps of 5; JAM60S10-xxx/PR/1000V, xxx= 315 to 345 in steps of 5; JAM72S10-xxx/MR/1000V, xxx= 390 to 430 in steps of 5; JAM60S10-xxx/MR/1000V, xxx= 325 to 355 in steps of 5; JAM60S10-xxx/MR-L/1000V, xxx= 325 to 355 in steps of 5; JAM78S10-xxx/MR/1000V, xxx= 435 to 465 in steps of 5; JAM66S10-xxx/MR/1000V, xxx= 345 to 390 in steps of 5; JAM72S09-xxx/BP/1000V, xxx= 375 to 385 in steps of 5; JAM60S09-xxx/BP/1000V, xxx= 315 to 320 in steps of 5;

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# CERTIFICATE

No. Z2 072092 0295 Rev. 48

JAM72S10-xxx/BP/1000V, xxx= 385 to 400 in steps of 5;
JAM60S10-xxx/BP/1000V, xxx= 320 to 330 in steps of 5.
JAM72S02-xxx/PR/1000V, xxx= 345 to 390 in steps of 5;
JAM60S02-xxx/PR/1000V, xxx= 285 to 325 in steps of 5;
JAM72S02-xxx/SC/1000V, xxx= 320 to 365 in steps of 5;
JAM60S02-xxx/SC/1000V, xxx= 265 to 305 in steps of 5;
JAM72S02-xxx/MR/1000V, xxx= 365 to 385 in steps of 5;
JAM60S02-xxx/MR/1000V, xxx= 305 to 320 in steps of 5;
JAM72S08-xxx/PR/1000V, xxx= 360 to 395 in steps of 5;
JAM60S08-xxx/PR/1000V, xxx= 300 to 330 in steps of 5;
JAM72S12-xxx/PR/1000V, xxx= 365 to 385 in steps of 5;
JAM60S12-xxx/PR/1000V, xxx= 305 to 330 in steps of 5;
JAM72S17-xxx/PR/1000V, xxx= 380 to 390 in steps of 5;
JAM60S17-xxx/PR/1000V, xxx= 315 to 325 in steps of 5;
JAM72S17-xxx/MR/1000V, xxx= 390 to 430 in steps of 5;
JAM60S17-xxx/MR/1000V, xxx= 315 to 355 in steps of 5;
JAM72S10-xxx/MB/1000V, xxx= 395 to 415 in steps of 5;
JAM60S10-xxx/MB/1000V, xxx= 330 to 345 in steps of 5;
JAM72S20-xxx/MR/1000V, xxx= 430 to 470 in steps of 5;
JAM60S20-xxx/MR/1000V, xxx= 355 to 390 in steps of 5;
JAM78S30-xxx/MR/1000V, xxx= 580 to 605 in steps of 5;
JAM72S30-xxx/MR/1000V, xxx= 510 to 555 in steps of 5;
JAM66S30-xxx/MR/1000V, xxx= 470 to 505 in steps of 5;
JAM60S30-xxx/MR/1000V, xxx= 435 to 460 in steps of 5;
JAM54S30-xxx/MR/1000V, xxx= 390 to 415 in steps of 5;
JAM60S21-xxx/MR/1000V, xxx= 355 to 390 in steps of 5;
JAM50S40-xxx/MR/1000V, xxx= 490 to 500 in steps of 5;
JAM72S20-xxx/MB/1000V, xxx= 450 to 465 in steps of 5;
JAM60S20-xxx/MB/1000V, xxx= 375 to 390 in steps of 5;
JAM72S31-xxx/MR/1000V, xxx= 510 to 545 in steps of 5;
JAM66S31-xxx/MR/1000V, xxx= 470 to 500 in steps of 5;
JAM60S31-xxx/MR/1000V, xxx= 425 to 450 in steps of 5;
JAM54S31-xxx/MR/1000V, xxx= 385 to 405 in steps of 5;
JAM76S11-xxx/PR(B)/1000V, xxx= 395 to 415 in steps of 5;
JAM78S30-xxx/GR/1000V, xxx= 575 to 600 in steps of 5;
JAM72S30-xxx/GR/1000V, xxx= 535 to 560 in steps of 5;
JAM66S30-xxx/GR/1000V, xxx= 500 to 510 in steps of 5;
JAM60S30-xxx/GR/1000V, xxx= 445 to 465 in steps of 5;
JAM60S30-xxx/GR/1000V, xxx= 445 to 465 in steps of 5; JAM54S30-xxx/GR/1000V, xxx= 400 to 420 in steps of 5;
JAM60S30-xxx/GR/1000V, xxx= 445 to 465 in steps of 5; JAM54S30-xxx/GR/1000V, xxx= 400 to 420 in steps of 5; JAM78S31-xxx/GR/1000V, xxx= 570 to 590 in steps of 5;
JAM60S30-xxx/GR/1000V, xxx= 445 to 465 in steps of 5; JAM54S30-xxx/GR/1000V, xxx= 400 to 420 in steps of 5; JAM78S31-xxx/GR/1000V, xxx= 570 to 590 in steps of 5;
JAM60S30-xxx/GR/1000V, xxx= 445 to 465 in steps of 5; JAM54S30-xxx/GR/1000V, xxx= 400 to 420 in steps of 5; JAM78S31-xxx/GR/1000V, xxx= 570 to 590 in steps of 5; JAM72S31-xxx/GR/1000V, xxx= 525 to 545 in steps of 5;
JAM60S30-xxx/GR/1000V, xxx= 445 to 465 in steps of 5; JAM54S30-xxx/GR/1000V, xxx= 400 to 420 in steps of 5; JAM78S31-xxx/GR/1000V, xxx= 570 to 590 in steps of 5; JAM72S31-xxx/GR/1000V, xxx= 525 to 545 in steps of 5; JAM66S31-xxx/GR/1000V, xxx= 480 to 500 in steps of 5;
JAM60S30-xxx/GR/1000V, xxx= 445 to 465 in steps of 5; JAM54S30-xxx/GR/1000V, xxx= 400 to 420 in steps of 5; JAM78S31-xxx/GR/1000V, xxx= 570 to 590 in steps of 5; JAM72S31-xxx/GR/1000V, xxx= 525 to 545 in steps of 5; JAM66S31-xxx/GR/1000V, xxx= 480 to 500 in steps of 5; JAM60S31-xxx/GR/1000V, xxx= 430 to 450 in steps of 5;
JAM60S30-xxx/GR/1000V, xxx= 445 to 465 in steps of 5; JAM54S30-xxx/GR/1000V, xxx= 400 to 420 in steps of 5; JAM78S31-xxx/GR/1000V, xxx= 570 to 590 in steps of 5; JAM72S31-xxx/GR/1000V, xxx= 525 to 545 in steps of 5; JAM66S31-xxx/GR/1000V, xxx= 480 to 500 in steps of 5; JAM60S31-xxx/GR/1000V, xxx= 430 to 450 in steps of 5; JAM54S31-xxx/GR/1000V, xxx= 395 to 405 in steps of 5;
JAM60S30-xxx/GR/1000V, xxx= 445 to 465 in steps of 5; JAM54S30-xxx/GR/1000V, xxx= 400 to 420 in steps of 5; JAM78S31-xxx/GR/1000V, xxx= 570 to 590 in steps of 5; JAM72S31-xxx/GR/1000V, xxx= 525 to 545 in steps of 5; JAM66S31-xxx/GR/1000V, xxx= 480 to 500 in steps of 5; JAM60S31-xxx/GR/1000V, xxx= 430 to 450 in steps of 5;
JAM60S30-xxx/GR/1000V, xxx= 445 to 465 in steps of 5; JAM54S30-xxx/GR/1000V, xxx= 400 to 420 in steps of 5; JAM78S31-xxx/GR/1000V, xxx= 570 to 590 in steps of 5; JAM72S31-xxx/GR/1000V, xxx= 525 to 545 in steps of 5; JAM66S31-xxx/GR/1000V, xxx= 480 to 500 in steps of 5; JAM60S31-xxx/GR/1000V, xxx= 430 to 450 in steps of 5; JAM54S31-xxx/GR/1000V, xxx= 395 to 405 in steps of 5; JAM72S17-xxx/GR/1000V, xxx= 385 to 400 in steps of 5;
JAM60S30-xxx/GR/1000V, xxx= 445 to 465 in steps of 5; JAM54S30-xxx/GR/1000V, xxx= 400 to 420 in steps of 5; JAM78S31-xxx/GR/1000V, xxx= 570 to 590 in steps of 5; JAM72S31-xxx/GR/1000V, xxx= 525 to 545 in steps of 5; JAM66S31-xxx/GR/1000V, xxx= 480 to 500 in steps of 5; JAM60S31-xxx/GR/1000V, xxx= 430 to 450 in steps of 5; JAM54S31-xxx/GR/1000V, xxx= 395 to 405 in steps of 5;
JAM60S30-xxx/GR/1000V, xxx= 445 to 465 in steps of 5; JAM54S30-xxx/GR/1000V, xxx= 400 to 420 in steps of 5; JAM78S31-xxx/GR/1000V, xxx= 570 to 590 in steps of 5; JAM72S31-xxx/GR/1000V, xxx= 525 to 545 in steps of 5; JAM66S31-xxx/GR/1000V, xxx= 480 to 500 in steps of 5; JAM60S31-xxx/GR/1000V, xxx= 430 to 450 in steps of 5; JAM54S31-xxx/GR/1000V, xxx= 395 to 405 in steps of 5; JAM72S17-xxx/GR/1000V, xxx= 385 to 400 in steps of 5; 1000 V DC or 1500 V DC Maximum System voltage,
JAM60S30-xxx/GR/1000V, xxx= 445 to 465 in steps of 5; JAM54S30-xxx/GR/1000V, xxx= 400 to 420 in steps of 5; JAM78S31-xxx/GR/1000V, xxx= 570 to 590 in steps of 5; JAM72S31-xxx/GR/1000V, xxx= 525 to 545 in steps of 5; JAM66S31-xxx/GR/1000V, xxx= 480 to 500 in steps of 5; JAM60S31-xxx/GR/1000V, xxx= 430 to 450 in steps of 5; JAM54S31-xxx/GR/1000V, xxx= 395 to 405 in steps of 5; JAM72S17-xxx/GR/1000V, xxx= 385 to 400 in steps of 5; 1000 V DC or 1500 V DC Maximum System voltage, Fire Safety Class C Modules:
JAM60S30-xxx/GR/1000V, xxx= 445 to 465 in steps of 5; JAM54S30-xxx/GR/1000V, xxx= 400 to 420 in steps of 5; JAM78S31-xxx/GR/1000V, xxx= 570 to 590 in steps of 5; JAM72S31-xxx/GR/1000V, xxx= 525 to 545 in steps of 5; JAM66S31-xxx/GR/1000V, xxx= 480 to 500 in steps of 5; JAM60S31-xxx/GR/1000V, xxx= 430 to 450 in steps of 5; JAM54S31-xxx/GR/1000V, xxx= 395 to 405 in steps of 5; JAM72S17-xxx/GR/1000V, xxx= 385 to 400 in steps of 5; 1000 V DC or 1500 V DC Maximum System voltage, Fire Safety Class C Modules: JAM72S01-xxx/SC, xxx= 320 to 365 in steps of 5;
JAM60S30-xxx/GR/1000V, xxx= 445 to 465 in steps of 5; JAM54S30-xxx/GR/1000V, xxx= 400 to 420 in steps of 5; JAM78S31-xxx/GR/1000V, xxx= 570 to 590 in steps of 5; JAM72S31-xxx/GR/1000V, xxx= 525 to 545 in steps of 5; JAM66S31-xxx/GR/1000V, xxx= 480 to 500 in steps of 5; JAM60S31-xxx/GR/1000V, xxx= 430 to 450 in steps of 5; JAM54S31-xxx/GR/1000V, xxx= 395 to 405 in steps of 5; JAM72S17-xxx/GR/1000V, xxx= 385 to 400 in steps of 5; 1000 V DC or 1500 V DC Maximum System voltage, Fire Safety Class C Modules: JAM72S01-xxx/SC, xxx= 320 to 365 in steps of 5; JAM60S01-xxx/SC, xxx= 265 to 305 in steps of 5;
JAM60S30-xxx/GR/1000V, xxx= 445 to 465 in steps of 5; JAM54S30-xxx/GR/1000V, xxx= 400 to 420 in steps of 5; JAM78S31-xxx/GR/1000V, xxx= 570 to 590 in steps of 5; JAM72S31-xxx/GR/1000V, xxx= 525 to 545 in steps of 5; JAM66S31-xxx/GR/1000V, xxx= 480 to 500 in steps of 5; JAM60S31-xxx/GR/1000V, xxx= 430 to 450 in steps of 5; JAM54S31-xxx/GR/1000V, xxx= 395 to 405 in steps of 5; JAM72S17-xxx/GR/1000V, xxx= 385 to 400 in steps of 5; I000 V DC or 1500 V DC Maximum System voltage, Fire Safety Class C Modules: JAM72S01-xxx/SC, xxx= 320 to 365 in steps of 5; JAM60S01-xxx/SC, xxx= 285 to 305 in steps of 5; JAM60S01-xxx/PR, xxx= 285 to 325 in steps of 5;
JAM60S30-xxx/GR/1000V, xxx= 445 to 465 in steps of 5; JAM54S30-xxx/GR/1000V, xxx= 400 to 420 in steps of 5; JAM78S31-xxx/GR/1000V, xxx= 570 to 590 in steps of 5; JAM72S31-xxx/GR/1000V, xxx= 525 to 545 in steps of 5; JAM66S31-xxx/GR/1000V, xxx= 480 to 500 in steps of 5; JAM60S31-xxx/GR/1000V, xxx= 430 to 450 in steps of 5; JAM54S31-xxx/GR/1000V, xxx= 395 to 405 in steps of 5; JAM72S17-xxx/GR/1000V, xxx= 385 to 400 in steps of 5; 1000 V DC or 1500 V DC Maximum System voltage, Fire Safety Class C Modules: JAM72S01-xxx/SC, xxx= 320 to 365 in steps of 5; JAM60S01-xxx/SC, xxx= 265 to 305 in steps of 5;
JAM60S30-xxx/GR/1000V, xxx= 445 to 465 in steps of 5; JAM54S30-xxx/GR/1000V, xxx= 400 to 420 in steps of 5; JAM78S31-xxx/GR/1000V, xxx= 570 to 590 in steps of 5; JAM72S31-xxx/GR/1000V, xxx= 525 to 545 in steps of 5; JAM66S31-xxx/GR/1000V, xxx= 480 to 500 in steps of 5; JAM60S31-xxx/GR/1000V, xxx= 430 to 450 in steps of 5; JAM54S31-xxx/GR/1000V, xxx= 395 to 405 in steps of 5; JAM72S17-xxx/GR/1000V, xxx= 385 to 400 in steps of 5; JAM72S17-xxx/GR/1000V, xxx= 385 to 400 in steps of 5; JAM72S01-xxx/SC, xxx= 320 to 365 in steps of 5; JAM60S01-xxx/SC, xxx= 265 to 305 in steps of 5; JAM60S01-xxx/PR, xxx= 285 to 325 in steps of 5; JAM60S01-xxx/MR, xxx= 365 to 385 in steps of 5;
JAM60S30-xxx/GR/1000V, xxx= 445 to 465 in steps of 5; JAM54S30-xxx/GR/1000V, xxx= 400 to 420 in steps of 5; JAM78S31-xxx/GR/1000V, xxx= 570 to 590 in steps of 5; JAM72S31-xxx/GR/1000V, xxx= 525 to 545 in steps of 5; JAM66S31-xxx/GR/1000V, xxx= 480 to 500 in steps of 5; JAM60S31-xxx/GR/1000V, xxx= 430 to 450 in steps of 5; JAM54S31-xxx/GR/1000V, xxx= 395 to 405 in steps of 5; JAM72S17-xxx/GR/1000V, xxx= 385 to 400 in steps of 5; JAM72S17-xxx/GR/1000V, xxx= 385 to 400 in steps of 5; JAM72S01-xxx/SC, xxx= 320 to 365 in steps of 5; JAM60S01-xxx/PR, xxx= 265 to 305 in steps of 5; JAM72S01-xxx/MR, xxx= 365 to 385 in steps of 5; JAM60S01-xxx/MR, xxx= 305 to 320 in steps of 5;
JAM60S30-xxx/GR/1000V, xxx= 445 to 465 in steps of 5; JAM54S30-xxx/GR/1000V, xxx= 400 to 420 in steps of 5; JAM78S31-xxx/GR/1000V, xxx= 570 to 590 in steps of 5; JAM72S31-xxx/GR/1000V, xxx= 525 to 545 in steps of 5; JAM66S31-xxx/GR/1000V, xxx= 480 to 500 in steps of 5; JAM60S31-xxx/GR/1000V, xxx= 430 to 450 in steps of 5; JAM54S31-xxx/GR/1000V, xxx= 395 to 405 in steps of 5; JAM72S17-xxx/GR/1000V, xxx= 385 to 400 in steps of 5; JAM72S17-xxx/GR/1000V, xxx= 385 to 400 in steps of 5; JAM72S01-xxx/GR/1000V, xxx= 320 to 365 in steps of 5; JAM60S01-xxx/SC, xxx= 265 to 305 in steps of 5; JAM60S01-xxx/MR, xxx= 285 to 325 in steps of 5; JAM60S01-xxx/MR, xxx= 305 to 320 in steps of 5; JAM60S01-xxx/PR, xxx= 365 to 395 in steps of 5; JAM60S01-xxx/PR, xxx= 360 to 395 in steps of 5;
JAM60S30-xxx/GR/1000V, xxx= 445 to 465 in steps of 5; JAM54S30-xxx/GR/1000V, xxx= 400 to 420 in steps of 5; JAM78S31-xxx/GR/1000V, xxx= 570 to 590 in steps of 5; JAM72S31-xxx/GR/1000V, xxx= 525 to 545 in steps of 5; JAM60S31-xxx/GR/1000V, xxx= 480 to 500 in steps of 5; JAM60S31-xxx/GR/1000V, xxx= 305 to 405 in steps of 5; JAM54S31-xxx/GR/1000V, xxx= 395 to 405 in steps of 5; JAM72S17-xx/GR/1000V, xxx= 385 to 400 in steps of 5; JAM72S17-xxx/GR/1000V, xxx= 385 to 400 in steps of 5; JAM72S17-xxx/GR/1000V, xxx= 385 to 400 in steps of 5; JAM72S01-xxx/SC, xxx= 320 to 365 in steps of 5; JAM60S01-xxx/SC, xxx= 265 to 305 in steps of 5; JAM60S01-xxx/MR, xxx= 365 to 385 in steps of 5; JAM60S01-xxx/MR, xxx= 305 to 320 in steps of 5; JAM72S03-xxx/PR, xxx= 300 to 330 in steps of 5;
JAM60S30-xxx/GR/1000V, xxx= 445 to 465 in steps of 5; JAM54S30-xxx/GR/1000V, xxx= 400 to 420 in steps of 5; JAM78S31-xxx/GR/1000V, xxx= 570 to 590 in steps of 5; JAM72S31-xxx/GR/1000V, xxx= 525 to 545 in steps of 5; JAM60S31-xxx/GR/1000V, xxx= 480 to 500 in steps of 5; JAM60S31-xxx/GR/1000V, xxx= 430 to 450 in steps of 5; JAM54S31-xxx/GR/1000V, xxx= 395 to 405 in steps of 5; JAM72S17-xxx/GR/1000V, xxx= 385 to 400 in steps of 5; JAM72S17-xxx/GR/1000V, xxx= 385 to 400 in steps of 5; JAM72S01-xxx/SC, xxx= 320 to 365 in steps of 5; JAM60S01-xxx/SC, xxx= 265 to 305 in steps of 5; JAM60S01-xxx/MR, xxx= 365 to 385 in steps of 5; JAM60S01-xxx/MR, xxx= 365 to 385 in steps of 5; JAM60S01-xxx/MR, xxx= 365 to 395 in steps of 5; JAM60S01-xxx/PR, xxx= 360 to 395 in steps of 5; JAM60S03-xxx/PR, xxx= 300 to 330 in steps of 5; JAM60S03-xxx/PR, xxx= 370 to 405 in steps of 5;
JAM60S30-xxx/GR/1000V, xxx= 445 to 465 in steps of 5; JAM54S30-xxx/GR/1000V, xxx= 400 to 420 in steps of 5; JAM78S31-xxx/GR/1000V, xxx= 570 to 590 in steps of 5; JAM72S31-xxx/GR/1000V, xxx= 525 to 545 in steps of 5; JAM60S31-xxx/GR/1000V, xxx= 480 to 500 in steps of 5; JAM60S31-xxx/GR/1000V, xxx= 430 to 450 in steps of 5; JAM54S31-xxx/GR/1000V, xxx= 395 to 405 in steps of 5; JAM72S17-xxx/GR/1000V, xxx= 385 to 400 in steps of 5; JAM72S17-xxx/GR/1000V, xxx= 385 to 400 in steps of 5; JAM72S01-xxx/SC, xxx= 320 to 365 in steps of 5; JAM60S01-xxx/SC, xxx= 265 to 305 in steps of 5; JAM60S01-xxx/PR, xxx= 365 to 385 in steps of 5; JAM60S01-xxx/PR, xxx= 365 to 385 in steps of 5; JAM60S01-xxx/PR, xxx= 305 to 320 in steps of 5; JAM60S01-xxx/PR, xxx= 300 to 330 in steps of 5; JAM72S09-xxx/PR, xxx= 370 to 405 in steps of 5; JAM60S09-xxx/PR, xxx= 310 to 335 in steps of 5;
JAM60S30-xxx/GR/1000V, xxx= 445 to 465 in steps of 5; JAM54S30-xxx/GR/1000V, xxx= 400 to 420 in steps of 5; JAM78S31-xxx/GR/1000V, xxx= 570 to 590 in steps of 5; JAM72S31-xxx/GR/1000V, xxx= 525 to 545 in steps of 5; JAM60S31-xxx/GR/1000V, xxx= 480 to 500 in steps of 5; JAM60S31-xxx/GR/1000V, xxx= 430 to 450 in steps of 5; JAM54S31-xxx/GR/1000V, xxx= 395 to 405 in steps of 5; JAM72S17-xxx/GR/1000V, xxx= 385 to 400 in steps of 5; JAM72S17-xxx/GR/1000V, xxx= 385 to 400 in steps of 5; JAM72S01-xxx/SC, xxx= 320 to 365 in steps of 5; JAM60S01-xxx/SC, xxx= 265 to 305 in steps of 5; JAM60S01-xxx/MR, xxx= 365 to 385 in steps of 5; JAM60S01-xxx/MR, xxx= 365 to 385 in steps of 5; JAM60S01-xxx/MR, xxx= 365 to 395 in steps of 5; JAM60S01-xxx/PR, xxx= 360 to 395 in steps of 5; JAM60S03-xxx/PR, xxx= 300 to 330 in steps of 5; JAM60S03-xxx/PR, xxx= 370 to 405 in steps of 5;
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JAM60S30-xxx/GR/1000V, xxx= 445 to 465 in steps of 5; JAM54S30-xxx/GR/1000V, xxx= 400 to 420 in steps of 5; JAM78S31-xxx/GR/1000V, xxx= 570 to 590 in steps of 5; JAM60S31-xxx/GR/1000V, xxx= 525 to 545 in steps of 5; JAM60S31-xxx/GR/1000V, xxx= 480 to 500 in steps of 5; JAM60S31-xxx/GR/1000V, xxx= 480 to 450 in steps of 5; JAM72S17-xxx/GR/1000V, xxx= 395 to 405 in steps of 5; JAM72S17-xxx/GR/1000V, xxx= 385 to 400 in steps of 5; JAM72S17-xxx/GR/1000V, xxx= 385 to 400 in steps of 5; JAM72S01-xxx/SC, xxx= 320 to 365 in steps of 5; JAM60S01-xxx/SC, xxx= 265 to 305 in steps of 5; JAM60S01-xxx/PR, xxx= 285 to 325 in steps of 5; JAM60S01-xxx/PR, xxx= 305 to 320 in steps of 5; JAM60S01-xxx/PR, xxx= 305 to 320 in steps of 5; JAM60S01-xxx/PR, xxx= 300 to 330 in steps of 5; JAM60S03-xxx/PR, xxx= 300 to 330 in steps of 5; JAM60S09-xxx/PR, xxx= 310 to 335 in steps of 5; JAM60S09-xxx/PR, xxx= 310 to 335 in steps of 5; JAM60S01-xxx/PR, xxx= 315 to 345 in steps of 5; JAM60S01-xxx/PR, xxx= 315 to 345 in steps of 5; JAM72S10-xxx/PR, xxx= 315 to 345 in steps of 5; JAM60S10-xxx/PR, xxx= 315 to 355 in steps of 5; JAM60S10-xxx/PR, xxx= 325 to 355 in steps of 5; JAM60S10-xxx/PR, xxx= 345 to 400 in steps of 5; JAM60S10-xxx/BP, xxx= 335 to 320 in steps of 5; JAM60S10-xxx/BP, xxx= 335 to 320 in steps of 5; JAM60S10-xxx/BP, xxx= 335 to 300 in steps of 5; JAM60S10-xxx/BP, xxx= 320 to 330 in steps of 5; JAM60S10-xxx/BP, xxx= 320 to 330 in steps of 5;

No. Z2 072092 0295 Rev. 48

JAM72S02-xxx/SC, xxx= 320 to 365 in steps of 5; JAM60S02-xxx/SC, xxx= 265 to 305 in steps of 5; JAM72S02-xxx/MR, xxx= 365 to 385 in steps of 5; JAM60S02-xxx/MR, xxx= 305 to 320 in steps of 5; JAM72S08-xxx/PR, xxx= 360 to 395 in steps of 5; JAM60S08-xxx/PR, xxx= 300 to 330 in steps of 5; JAM72S12-xxx/PR, xxx= 365 to 385 in steps of 5; JAM60S12-xxx/PR, xxx= 305 to 330 in steps of 5: JAM72S17-xxx/PR, xxx= 380 to 390 in steps of 5; JAM60S17-xxx/PR, xxx= 315 to 325 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; JAM72S10-xxx/MB, xxx= 395 to 415 in steps of 5; JAM60S10-xxx/MB, xxx= 330 to 345 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; JAM78S10-xxx/MR-J, xxx= 435 to 465 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 415 in steps of 5: JAM60S21-xxx/MR, xxx= 355 to 390 in steps of 5; JAM50S40-xxx/MR, xxx= 490 to 500 in steps of 5; JAM72S20-xxx/MB, xxx= 450 to 465 in steps of 5; JAM60S20-xxx/MB, xxx= 375 to 390 in steps of 5; JAM68S11-xxx/PR, xxx= 355 to 365 in steps of 5; JAM68S11-xxx/PR(B), xxx= 345 to 365 in steps of 5; 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 405 in steps of 5; JAM76S11-xxx/PR(B), xxx= 395 to 415 in steps of 5; JAM78S30-xxx/GR, xxx= 575 to 600 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 465 in steps of 5; JAM54S30-xxx/GR, xxx= 400 to 420 in steps of 5; JAM78S31-xxx/GR, xxx= 570 to 590 in steps of 5; JAM72S31-xxx/GR, xxx= 525 to 545 in steps of 5; JAM66S31-xxx/GR, xxx= 480 to 500 in steps of 5: JAM60S31-xxx/GR, xxx= 435 to 450 in steps of 5; JAM54S31-xxx/GR, xxx= 395 to 405 in steps of 5; JAM72S17-xxx/GR, xxx= 385 to 400 in steps of 5; 1500 V DC Maximum System voltage, Fire Safety Class C Modules: JAM6(K)-72-xxx/PR/1500V, xxx= 345 to 370 in steps of 5; JAM6(K)-60-xxx/PR/1500V, xxx= 285 to 310 in steps of 5; JAM6(K)-72-xxx/4BB/1500V, xxx= 320 to 345 in steps of 5; JAM6(K)-60-xxx/4BB/1500V, xxx= 265 to 285 in steps of 5; JAM72S01-xxx/SC/1500V, xxx= 320 to 365 in steps of 5; JAM60S01-xxx/SC/1500V, xxx= 265 to 305 in steps of 5; JAM72S01-xxx/PR, xxx= 345 to 390 in steps of 5; JAM60S01-xxx/PR/1500V, xxx= 285 to 325 in steps of 5; JAM72S01-xxx/MR/1500V, xxx= 365 to 385 in steps of 5; JAM60S01-xxx/MR/1500V, xxx= 305 to 320 in steps of 5; JAM72S03-xxx/PR/1500V, xxx= 360 to 395 in steps of 5; JAM60S03-xxx/PR/1500V, xxx= 300 to 330 in steps of 5; JAM72S09-xxx/PR/1500V, xxx= 370 to 405 in steps of 5; JAM60S09-xxx/PR/1500V, xxx= 310 to 335 in steps of 5; JAM72S10-xxx/PR/1500V, xxx= 380 to 410 in steps of 5; JAM60S10-xxx/PR/1500V, xxx= 315 to 345 in steps of 5; JAM72S10-xxx/MR/1500V, xxx= 390 to 430 in steps of 5; JAM60S10-xxx/MR/1500V, xxx= 325 to 355 in steps of 5; JAM60S10-xxx/MR-L/1500V, xxx= 325 to 355 in steps of 5; JAM78S10-xxx/MR/1500V, xxx= 435 to 465 in steps of 5; JAM66S10-xxx/MR/1500V, xxx= 345 to 390 in steps of 5; JAM72S09-xxx/BP/1500V, xxx= 375 to 385 in steps of 5; JAM60S09-xxx/BP/1500V, xxx= 315 to 320 in steps of 5; JAM72S10-xxx/BP/1500V, xxx= 385 to 400 in steps of 5;



## **CERTIFICATE** No. Z2 072092 0295 Rev. 48

JAM60S10-xxx/BP/1500V, xxx= 320 to 330 in steps of 5. JAM72S02-xxx/PR/1500V, xxx= 345 to 390 in steps of 5; JAM60S02-xxx/PR/1500V, xxx= 285 to 325 in steps of 5; JAM72S02-xxx/SC/1500V, xxx= 320 to 365 in steps of 5; JAM60S02-xxx/SC/1500V, xxx= 265 to 305 in steps of 5; JAM72S02-xxx/MR/1500V, xxx= 365 to 385 in steps of 5; JAM60S02-xxx/MR/1500V, xxx= 305 to 320 in steps of 5; JAM72S08-xxx/PR/1500V, xxx= 360 to 395 in steps of 5; JAM60S08-xxx/PR/1500V, xxx= 300 to 330 in steps of 5; JAM72S12-xxx/PR/1500V, xxx= 365 to 385 in steps of 5; JAM60S12-xxx/PR/1500V, xxx= 305 to 330 in steps of 5; JAM72S17-xxx/PR/1500V, xxx= 380 to 390 in steps of 5; JAM60S17-xxx/PR/1500V, xxx= 315 to 325 in steps of 5; JAM72S17-xxx/MR/1500V, xxx= 390 to 430 in steps of 5; JAM60S17-xxx/MR/1500V, xxx= 315 to 355 in steps of 5; JAM72S10-xxx/MB/1500V, xxx= 395 to 415 in steps of 5; JAM60S10-xxx/MB/1500V, xxx= 330 to 345 in steps of 5; JAM72S20-xxx/MR/1500V, xxx= 430 to 470 in steps of 5; JAM60S20-xxx/MR/1500V, xxx= 355 to 390 in steps of 5; JAM78S30-xxx/MR/1500V, xxx= 580 to 605 in steps of 5; JAM72S30-xxx/MR/1500V, xxx= 510 to 555 in steps of 5; JAM66S30-xxx/MR/1500V, xxx= 470 to 505 in steps of 5; JAM60S30-xxx/MR/1500V, xxx= 435 to 460 in steps of 5; JAM54S30-xxx/MR/1500V, xxx= 390 to 415 in steps of 5; JAM60S21-xxx/MR/1500V, xxx= 355 to 390 in steps of 5; JAM50S40-xxx/MR/1500V, xxx= 490 to 500 in steps of 5; JAM72S20-xxx/MB/1500V, xxx= 450 to 465 in steps of 5; JAM60S20-xxx/MB/1500V, xxx= 375 to 390 in steps of 5; JAM72S31-xxx/MR/1500V, xxx= 510 to 545 in steps of 5; JAM66S31-xxx/MR/1500V, xxx= 470 to 500 in steps of 5; JAM60S31-xxx/MR/1500V, xxx= 425 to 450 in steps of 5; JAM54S31-xxx/MR/1500V, xxx= 385 to 405 in steps of 5 JAM76S11-xxx/PR(B)/1500V. xxx= 395 to 415 in steps of 5: JAM78S30-xxx/GR/1500V, xxx= 575 to 600 in steps of 5; JAM72S30-xxx/GR/1500V, xxx= 535 to 560 in steps of 5; JAM66S30-xxx/GR/1500V, xxx= 500 to 510 in steps of 5; JAM60S30-xxx/GR/1500V, xxx= 445 to 465 in steps of 5; JAM54S30-xxx/GR/1500V, xxx= 400 to 420 in steps of 5;

JAM78S31-xxx/GR/1500V, xxx= 570 to 590 in steps of 5; JAM72S31-xxx/GR/1500V, xxx= 525 to 545 in steps of 5; JAM66S31-xxx/GR/1500V, xxx= 480 to 500 in steps of 5; JAM60S31-xxx/GR/1500V, xxx= 435 to 450 in steps of 5; JAM54S31-xxx/GR/1500V, xxx= 395 to 405 in steps of 5; JAM72S17-xxx/GR/1500V, xxx= 385 to 400 in steps of 5;

xxx is standing for rated output power at STC

Parameters:

Construction:

Test Laboratory:

Safety Class: Maximum System Voltage: Fire Safety Class: Production Facility(ies): Framed or Frameless, with Junction box, Cable and Connectors. Yangzhou Opto-Electrical Products Testing Institute No. 10 West Kaifa Road, Yangzhou 225009 Jiangsu, P. R. China Class II 1500 V DC or 1000 V DC Class C or Class A according to UL790. 079395, 095903, 090968, 108746, 072092, 109998, 112017, 113943, 114922, 001783, 004170, 113691.



No. Z2 072092 0295 Rev. 48

Tested according to:

IEC 61215-1:2016 EN 61215-1:2016 IEC 61215-1-1:2016 EN 61215-1-1:2016 IEC 61215-2:2016 EN 61215-2:2017 IEC 61730-1:2018 EN IEC 61730-1:2018/AC:2018-06 IEC 61730-2:2018 EN IEC 61730-2:2018 EN IEC 61730-2:2018/AC:2018-06