

"SENS"

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NIP 728-221-26-26 REGON 472360796

Tłumaczenie poświadczone z języka angielskiego

[Informacje od tłumacza dotycząca wyglądu dokumentu: po lewej stronie napis CERTYFIKAT w wielu językach na niebieskim tle]

[kod QR]

[znak TÜV SÜD Product Service]



## CERTYFIKAT

Nr Z2 072092 0295 Wer. 79

Posiadacz certyfikatu: **Shanghai JA Solar Technology Co., Ltd.**

No. 118, Lane 3111  
West Huancheng Road  
Fengxian District  
201401 Shanghai  
CHIŃSKA REPUBLIKA LUDOWA

Znak certyfikujący: *[osmiokątny znak TÜV SÜD]*

Produkt: Naziemne moduły fotowoltaiczne (PV) z krzemem krystalicznego  
Moduły fotowoltaiczne z krzemem monokrystalicznego

Produkt został przetestowany dobrowolnie i jest zgodny z zasadniczymi wymogami. Można oznaczyć produkt znakiem certyfikacyjnym przedstawionym powyżej. Zabrania się wprowadzania jakichkolwiek zmian w znaku certyfikacyjnym. Ponadto posiadacz certyfikatu nie może przenosić praw do niego na osoby trzecie. Certyfikat jest ważny do podanej daty, o ile nie zostanie anulowany wcześniej. Spełniono wszelkie odnośne przepisy TÜV SÜD Group dotyczące testowania, certyfikacji, legalizacji i weryfikacji. Szczegółowe informacje: [www.tuvsud.com/ps-cert](http://www.tuvsud.com/ps-cert)

Nr raportu z testu: 704061604115-94

Ważny do: 2029-06-20

Data: 2024-06-21 *[podpis nieczytelny, czarny tusz]* (Zhulin Zhang)

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Model(e): Moduły z podwójnym szkłem, maksymalne napięcie układu 1500 V DC:  
JAM72D00-xxx/BP/1500V, JAM72D00-xxx/BP, xxxx = 330 do 385 co 5;  
JAM60D00-xxx/BP/1500V, JAM60D00-xxx/BP, xxxx = 275 do 320 co 5;  
JAM60D00-xxx/PR/1500V, JAM60D00-xxx/PR, xxxx = 285 do 320 co 5;  
JAM72D00-xxx/PR/1500V, JAM72D00-xxx/PR, xxxx = 340 do 385 co 5;  
JAM60D00-xxx/MB/1500V, JAM60D00-xxx/MB, xxxx = 310 do 315 co 5;  
JAM72D00-xxx/MB/1500V, JAM72D00-xxx/MB, xxxx = 370 do 380 co 5;  
JAM72D09-xxx/BP/1500V, JAM72D09-xxx/BP, xxxx = 360 do 400 co 5;  
JAM60D09-xxx/BP/1500V, JAM60D09-xxx/BP, xxxx = 300 do 340 co 5;  
JAM72D10-xxx/MB/1500V, JAM72D10-xxx/MB, xxxx = 385 do 430 co 5;  
JAM60D10-xxx/MB/1500V, JAM60D10-xxx/MB, xxxx = 320 do 355 co 5;  
JAM72D10-xxx/BP/1500V, JAM72D10-xxx/BP, xxxx = 385 do 415 co 5;  
JAM60D10-xxx/BP/1500V, JAM60D10-xxx/BP, xxxx = 320 do 345 co 5;  
JAM66D10-xxx/MB/1500V, JAM66D10-xxx/MB, xxxx = 360 do 380 co 5;  
JAM78D10-xxx/MB/1500V, JAM78D10-xxx/MB, xxxx = 435 do 455 co 5;  
JAM72D20-xxx/MB/1500V, JAM72D20-xxx/MB, xxxx = 430 do 465 co 5;  
JAM60D20-xxx/MB/1500V, JAM60D20-xxx/MB, xxxx = 355 do 385 co 5;  
JAM72D10-xxx/TB/1500V, JAM72D10-xxx/TB, xxxx = 400 do 420 co 5;  
JAM60D10-xxx/TB/1500V, JAM60D10-xxx/TB, xxxx = 335 do 350 co 5;  
JAM78D30-xxx/MB/1500V, JAM78D30-xxx/MB, xxxx = 580 do 605 co 5;  
JAM72D30-xxx/MB/1500V, JAM72D30-xxx/MB, xxxx = 505 do 560 co 5;  
JAM72D30-xxx/MB/F/1500V, JAM72D30-xxx/MB/F,  
xxx=505 do 560 co 5;  
JAM66D30-xxx/MB/1500V, JAM66D30-xxx/MB, xxx=465 do 505 co 5;  
JAM66D30-xxx/MB/F/1500V, JAM66D30-xxx/MB/F,  
xxx=465 do 505 co 5;  
JAM60D30-xxx/MB/1500V, JAM60D30-xxx/MB, xxx=435 do 460 co 5;  
JAM54D30-xxx/MB/1500V, JAM54D30-xxx/MB, xxx=390 do 415 co 5;  
JAM54D31-xxx/MB/1500V, JAM54D31-xxx/MB, xxx=395 do 400 co 5;  
JAM50D40-xxx/MB/1500V, JAM50D40-xxx/MB, xxx=485 do 500 co 5;  
JAM78D30-xxx/GB/1500V, JAM78D30-xxx/GB, xxx=585 do 610 co 5;  
JAM72D30-xxx/GB/1500V, JAM72D30-xxx/GB, xxx=505 do 560 co 5;  
JAM66D30-xxx/GB/1500V, JAM66D30-xxx/GB, xxx=495 do 510 co 5;  
JAM60D30-xxx/GB/1500V, JAM60D30-xxx/GB, xxx=450 do 470 co 5;  
JAM54D30-xxx/GB/1500V, JAM54D30-xxx/GB, xxx=405 do 420 co 5;  
JAM54D31-xxx/GB/1500V, JAM54D31-xxx/GB, xxx=410 do 420 co 5;  
JAM72D30-xxx/GB/1500V, JAM72D30-xxx/GB, xxx=530 do 560 co 5;  
JAM78D40-xxx/MB/1500V, JAM78D40-xxx/MB, xxx=580 do 650 co 5;  
JAM72D41-xxx/MB/1500V, JAM72D41-xxx/MB, xxx=575 do 590 co 5;  
JAM66D40-xxx/MB/1500V, JAM66D40-xxx/MB, xxx=500 do 545 co 5;  
JAM60D40-xxx/MB/1500V, JAM60D40-xxx/MB, xxx=455 do 495 co 5;  
JAM54D40-xxx/MB/1500V, JAM54D40-xxx/MB, xxx=405 do 450 co 5;  
JAM54D41-xxx/MB/1500V, JAM54D41-xxx/MB, xxx=405 do 440 co 5;  
JAM54D40-xxx/MB/1500V, JAM54D40-xxx/MB, xxx=405 do 450 co 5;



JAM78D40-xxx/GB/1500V, JAM78D40-xxx/GB, xxx=580 do 650 co 5;  
JAM72D40-xxx/GB/1500V, JAM72D40-xxx/GB, xxx=540 do 600 co 5;  
JAM72D41-xxx/GB/1500V, JAM72D41-xxx/GB, xxx=575 do 590 co 5;  
JAM66D40-xxx/GB/1500V, JAM66D40-xxx/GB, xxx=500 do 545 co 5;  
JAM60D40-xxx/GB/1500V, JAM60D40-xxx/GB, xxx=455 do 495 co 5;  
JAM54D40-xxx/GB/1500V, JAM54D40-xxx/GB, xxx=405 do 450 co 5;  
JAM54D41-xxx/GB/1500V, JAM54D41-xxx/GB, xxx=415 do 435 co 5;  
JAM66D35-xxx/MB/1500V, JAM66D35-xxx/MB, xxx=650 do 615 co 5;  
JAM60D35-xxx/MB/1500V, JAM60D35-xxx/MB, xxx=590 do 605 co 5;  
JAM78D30-xxx/LB/1500V, JAM78D30-xxx/LB, xxx=580 do 630 co 5;  
JAM72D30-xxx/LB/1500V, JAM72D30-xxx/LB, xxx=540 do 580 co 5;  
JAM72D40-xxx/LB/1500V, JAM72D40-xxx/LB, xxx=560 do 615 co 5;  
JAM60D40-xxx/LB/1500V, JAM60D40-xxx/LB, xxx=485 do 510 co 5;  
JAM54D40-xxx/LB/1500V, JAM54D40-xxx/LB, xxx=420 do 460 co 5;  
JAM54D40-xxx/LR/1500V, JAM54D40-xxx/LR, xxx=420 do 460 co 5;  
JAM54D41-xxx/LB/1500V, JAM54D41-xxx/LB, xxx=420 do 455 co 5;  
JAM72D42-xxx/LB/1500V, JAM72D42-xxx/LB, xxx=590 do 650 co 5;  
JAM60D42-xxx/LB/1500V, JAM60D42-xxx/LB, xxx=500 do 540 co 5;  
JAM54D42-xxx/LB/1500V, JAM54D42-xxx/LB, xxx=455 do 485 co 5;  
JAM66D42-xxx/MB/1500V, JAM66D42-xxx/MB, xxx=540 do 595 co 5;  
JAM66D43-xxx/MB/1500V, JAM66D43-xxx/MB, xxx=565 do 580 co 5;  
JAM72D30-xxx/LB/1500V, JAM72D30-xxx/LB, xxx=555 do 575 co 5;  
JAM54D30-xxx/LB/1500V, JAM54D30-xxx/LB, xxx=420 do 430 co 5;  
JAM66D45-xxx/LB/1500V, JAM66D45-xxx/LB, xxx=585 =do 620 co 5;

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JAM78D49-xxx/LB/1500V, JAM78D49-xxx/LB, xxx= 585 do 610 co 5;  
JAM72D40-xxx/HB/1500V, JAM72D40-xxx/HB, xxx= 585 do 605 co 5;  
JAM54D40-xxx/HB/1500V, JAM54D40-xxx/HB, xxx= 440 do 450 co 5;  
JAM54D41-xxx/HB/1500V, JAM54D41-xxx/HB, xxx= 430 do 445 co 5;  
JAM66D46-xxx/LB/1500V, JAM66D46-xxx/LB, xxx= 685 do 710 co 5;

Moduły z pojedynczym szkłem, maksymalne napięcie układu 1000 V DC:

JAM6(K)-72-xxx/PR, xxx= 345 do 370 co 5;

JAM6(K)-60-xxx/PR, xxx= 285 do 310 co 5;

JAM6(K)-72-xxx/4BB, xxx= 320 do 345 co 5;

JAM6(K)-60-xxx/4BB, xxx= 265 to 285 co 5;

JAM72S01-xxx/SC/1000V, xxx= 320 do 365 co 5;  
JAM60S01-xxx/SC/1000V, xxx= 265 do 305 co 5;  
JAM72S01-xxx/PR/1000V, xxx= 345 do 390 co 5;  
JAM60S01-xxx/PR/1000V, xxx= 285 do 325 co 5;  
JAM72S01-xxx/MR/1000V, xxx= 365 do 385 co 5;  
JAM60S01-xxx/MR/1000V, xxx= 305 do 320 co 5;  
JAM72S03-xxx/PR/1000V, xxx= 360 do 395 co 5;  
JAM60S03-xxx/PR/1000V, xxx= 300 do 330 co 5;  
JAM72S09-xxx/PR/1000V, xxx= 370 do 405 co 5;  
JAM60S09-xxx/PR/1000V, xxx= 310 do 335 co 5;  
JAM72S10-xxx/PR/1000V, xxx= 380 do 410 co 5;  
JAM60S10-xxx/PR/1000V, xxx= 315 do 345 co 5;  
JAM72S10-xxx/MR/1000V, xxx= 390 do 430 co 5;  
JAM60S10-xxx/MR/1000V, xxx= 325 do 355 co 5;  
JAM60S10-xxx/MR-L/1000V, xxx= 325 do 355 co 5;  
JAM78S10-xxx/MR/1000V, xxx= 435 do 465 co 5;  
JAM66S10-xxx/MR/1000V, xxx= 345 do 390 co 5;  
JAM72S09-xxx/BP/1000V, xxx= 375 do 385 co 5;  
JAM60S09-xxx/BP/1000V, xxx= 315 do 320 co 5;  
JAM72S10-xxx/BP/1000V, xxx= 385 do 400 co 5;  
JAM60S10-xxx/BP/1000V, xxx= 320 do 330 co 5;  
JAM72S02-xxx/PR/1000V, xxx= 345 do 390 co 5;  
JAM60S02-xxx/PR/1000V, xxx= 285 do 325 co 5;  
JAM72S02-xxx/SC/1000V, xxx= 320 do 365 co 5;  
JAM60S02-xxx/SC/1000V, xxx= 265 do 305 co 5;  
JAM72S02-xxx/MR/1000V, xxx= 365 do 385 co 5;  
JAM60S02-xxx/MR/1000V, xxx= 305 do 320 co 5;  
JAM72S08-xxx/PR/1000V, xxx= 360 do 395 co 5;  
JAM60S08-xxx/PR/1000V, xxx= 300 do 330 co 5;  
JAM72S12-xxx/PR/1000V, xxx= 365 do 385 co 5;  
JAM60S12-xxx/PR/1000V, xxx= 305 do 330 co 5;  
JAM72S17-xxx/PR/1000V, xxx= 380 do 390 co 5;  
JAM60S17-xxx/PR/1000V, xxx= 315 do 325 co 5;  
JAM72S17-xxx/MR/1000V, xxx= 390 do 430 co 5;  
JAM60S17-xxx/MR/1000V, xxx= 315 do 355 co 5;  
JAM72S10-xxx/MB/1000V, xxx= 395 do 415 co 5;  
JAM60S10-xxx/MR/1000V, xxx= 330 do 345 co 5  
JAM72S20-xxx/MR/1000V, xxx= 430 do 470 co 5;  
JAM60S20-xxx/MR/1000V, xxx= 355 do 390 co 5;  
JAM78S30-xxx/MR/1000V, xxx= 580 do 605 co 5;  
JAM72S30-xxx/MR/1000V, xxx= 510 do 560 co 5;  
JAM72S30-xxx/MB/1000V, xxx= 535 do 550 co 5;  
JAM72S31-xxx/MR/1000V, xxx= 525 do 540 co 5;  
JAM66S30-xxx/MR/1000V, xxx= 470 do 510 co 5;  
JAM60S30-xxx/MR/1000V, xxx= 435 do 460 co 5;  
JAM54S30-xxx/MR/1000V, xxx= 390 do 425 co 5;  
JAM54S30-xxx/MR-XSOL, xxx= 415;  
JAM54S30-xxx/MB/1000V, xxx= 385 do 410 co 5;  
JAM54S31-xxx/MB/1000V, xxx= 385 do 405 co 5;

JAM60S21-xxx/MR/1000V, xxx= 355 do 390 co 5;  
JAM50S40-xxx/MR/1000V, xxx= 490 do 500 co 5;  
JAM72S20-xxx/MR/1000V, xxx= 450 do 465 co 5;  
JAM60S20-xxx/MR/1000V, xxx= 375 do 390 co 5;  
JAM72S31-xxx/MR/1000V, xxx= 510 do 545 co 5;  
JAM66S31-xxx/MR/1000V, xxx= 470 do 500 co 5;  
JAM60S31-xxx/MR/1000V, xxx= 425 do 450 co 5;  
JAM54S31-xxx/MR/1000V, xxx= 385 do 415 co 5;  
JAM76S11-xxx/PR(B)/1000V, xxx= 395 do 415 co 5;

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JAM78S30-xxx/GR/1000V, xxx= 575 do 610 co 5;  
JAM72S30-xxx/GR/1000V, xxx= 510 do 560 co 5;  
JAM66S30-xxx/GR/1000V, xxx= 500 do 510 co 5;  
JAM60S30-xxx/GR/1000V, xxx= 445 do 470 co 5;  
JAM54S30-xxx/GR/1000V, xxx= 400 do 420 co 5;  
JAM78S31-xxx/GR/1000V, xxx= 570 do 590 co 5;  
JAM72S31-xxx/GR/1000V, xxx= 510 do 545 co 5;  
JAM66S31-xxx/GR/1000V, xxx= 480 do 500 co 5;  
JAM60S31-xxx/GR/1000V, xxx= 430 do 450 co 5;  
JAM54S31-xxx/GR/1000V, xxx= 395 do 415 co 5;  
JAM72S17-xxx/GR/1000V, xxx= 385 do 400 co 5;  
JAM72S40-xxx/GR/1000V, xxx= 540 do 575 co 5;  
JAM66S40-xxx/GR/1000V, xxx= 495 do 525 co 5;  
JAM60S40-xxx/GR/1000V, xxx= 450 do 480 co 5;  
JAM54S40-xxx/GR/1000V, xxx= 405 do 430 co 5;  
JAM72S40-xxx/GR/1000V, xxx= 560 do 590 co 5;  
JAM72S41-xxx/GR/1000V, xxx= 540 do 570 co 5;  
JAM66S41-xxx/GR/1000V, xxx= 495 do 525 co 5;  
JAM60S41-xxx/GR/1000V, xxx= 450 do 475 co 5;  
JAM54S41-xxx/GR/1000V, xxx= 405 do 430 co 5;  
JAM66S35-xxx/MR/1000V, xxx= 650 do 670 co 5;  
JAM60S35-xxx/MR/1000V, xxx= 590 do 610 co 5;  
JAM72S30-xxx/LR/1000V, xxx= 555 do 580 co 5;  
JAM54S30-xxx/LR/1000V, xxx= 415 do 435 co 5;  
JAM54S31-xxx/LR/1000V, xxx= 415 do 425 co 5;  
JAM54S30-xxx/LB/1000V, xxx= 410 do 425 co 5;  
JAM54S31-xxx/LB/1000V, xxx= 410 do 415 co 5;

Moduły z pojedynczym szkłem, maksymalne napięcie układu 1000 V DC lub  
1500 V DC:

JAM72S01-xxx/SC, xxx= 320 do 365 co 5;  
JAM60S01-xxx/SC, xxx= 265 do 305 co 5;  
JAM60S01-xxx/PR, xxx= 285 do 325 co 5;  
JAM72S01-xxx/MR, xxx= 365 do 385 co 5;  
JAM60S01-xxx/MR, xxx= 305 do 320 co 5;  
JAM72S03-xxx/PR, xxx= 360 do 395 co 5;  
JAM60S03-xxx/PR, xxx= 300 do 330 co 5;  
JAM72S09-xxx/PR, xxx= 370 do 405 co 5;  
JAM60S09-xxx/PR, xxx= 310 do 335 co 5;  
JAM72S10-xxx/PR, xxx= 380 do 410 co 5;  
JAM60S10-xxx/PR, xxx= 315 do 345 co 5;  
JAM72S10-xxx/MR, xxx= 390 do 430 co 5;  
JAM60S10-xxx/MR, xxx= 325 do 355 co 5;  
JAM60S10-xxx/MR-L, xxx= 325 do 355 co 5;  
JAM78S10-xxx/MR, xxx= 435 do 465 co 5;  
JAM66S10-xxx/MR, xxx= 345 do 390 co 5;  
JAM72S09-xxx/BP, xxx= 375 do 385 co 5;  
JAM60S09-xxx/BP, xxx= 315 do 320 co 5;  
JAM72S10-xxx/BP, xxx= 385 do 400 co 5;  
JAM60S10-xxx/BP, xxx= 320 do 330 co 5;  
JAM72S02-xxx/PR, xxx= 345 do 390 co 5;  
JAM60S02-xxx/PR, xxx= 285 do 325 co 5;  
JAM72S02-xxx/SC, xxx= 320 do 365 co 5;  
JAM60S02-xxx/SC, xxx= 265 do 305 co 5;  
JAM72S02-xxx/MR, xxx= 365 do 385 co 5;  
JAM60S02-xxx/MR, xxx= 305 do 320 co 5;  
JAM72S08-xxx/PR, xxx= 360 do 395 co 5;  
JAM60S08-xxx/PR, xxx= 300 do 330 co 5;  
JAM72S12-xxx/PR, xxx= 365 do 385 co 5;  
JAM60S12-xxx/PR, xxx= 305 do 330 co 5;  
JAM72S17-xxx/PR, xxx= 380 do 390 co 5;  
JAM60S17-xxx/PR, xxx= 315 do 325 co 5;  
JAM72S17-xxx/MR, xxx= 390 do 430 co 5;  
JAM60S17-xxx/MR, xxx= 315 do 355 co 5;  
JAM72S10-xxx/MB, xxx= 395 do 415 co 5;  
JAM60S10-xxx/MB, xxx= 330 do 345 co 5;  
JAM72S20-xxx/MR, xxx= 430 do 470 co 5;  
JAM60S20-xxx/MR, xxx= 355 do 390 co 5;  
JAM78S10-xxx/MR-J, xxx= 435 do 465 co 5;  
JAM78S30-xxx/MR, xxx= 580 do 605 co 5;

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JAM72S30-xxx/MR, xxx=510 do 560 co 5;  
JAM72S30-xxx/MR-YH, xxx=535 do 555 co 5;  
JAM72S30-xxx/MB, xxx=535 do 550 co 5;  
JAM72S31-xxx/MB, xxx=525 do 540 co 5;  
JAM66S30-xxx/MR, xxx=470 do 510 co 5;  
JAM60S30-xxx/MR, xxx=435 do 460 co 5;  
JAM54S30-xxx/MR, xxx=390 do 425 co 5;  
JAM54S30-xxx/MB, xxx=385 do 410 co 5;  
JAM54S31-xxx/MB, xxx=385 do 405 co 5;  
JAM60S21-xxx/MR, xxx=355 do 390 co 5;  
JAM50S40-xxx/MR, xxx=490 do 500 co 5;  
JAM72S20-xxx/MB, xxx=450 do 465 co 5;  
JAM60S20-xxx/MB, xxx=375 do 390 co 5;  
JAM68S11-xxx/PR, xxx=355 do 365 co 5;  
JAM68S11-xxx/PR(B), xxx=345 do 365 co 5;  
JAM72S31-xxx/MR, xxx=510 do 545 co 5;  
JAM66S31-xxx/MR, xxx=470 do 500 co 5;  
JAM60S31-xxx/MR, xxx=425 do 450 co 5;  
JAM54S31-xxx/MR, xxx=385 do 415 co 5;  
JAM76S11-xxx/PR(B), xxx=395 do 415 co 5;  
JAM78S30-xxx/GR, xxx=575 do 610 co 5;  
JAM72S30-xxx/GR, xxx=510 do 560 co 5;  
JAM66S30-xxx/GR, xxx=500 do 510 co 5;  
JAM60S30-xxx/GR, xxx=445 do 470 co 5;  
JAM54S30-xxx/GR, xxx=400 do 420 co 5;  
JAM78S31-xxx/GR, xxx=570 do 590 co 5;  
JAM72S31-xxx/GR, xxx=510 do 545 co 5;  
JAM66S31-xxx/GR, xxx=480 do 500 co 5;  
JAM60S31-xxx/GR, xxx=435 do 450 co 5;  
JAM54S31-xxx/GR, xxx=395 do 415 co 5;  
JAM72S17-xxx/GR, xxx=385 do 400 co 5;  
JAM72S40-xxx/GR, xxx=540 do 575 co 5;  
JAM66S40-xxx/GR, xxx=495 do 525 co 5;  
JAM60S40-xxx/GR, xxx=450 do 480 co 5;  
JAM54S40-xxx/GR, xxx=405 do 430 co 5;  
JAM72S40-xxx/MR, xxx=560 do 590 co 5;  
JAM72S41-xxx/GR, xxx=540 do 570 co 5;  
JAM66S41-xxx/GR, xxx=495 do 525 co 5;  
JAM60S41-xxx/GR, xxx=450 do 475 co 5;  
JAM54S41-xxx/GR, xxx=405 do 430 co 5;  
JAM66S35-xxx/MR, xxx=650 do 670 co 5;  
JAM60S35-xxx/MR, xxx=590 do 610 co 5;

JAM72S30-xxx/LR, xxx=555 do 580 co 5;  
JAM54S30-xxx/LR, xxx=415 do 435 co 5;  
JAM54S31-xxx/LR, xxx=415 do 425 co 5;  
JAM54S30-xxx/LB, xxx= 410 do 425 co 5;  
JAM54S31-xxx/LB, xxx= 410 do 415 co 5;



Moduły z pojedynczym szkłem, maksymalne napięcie układu 1500 V DC:

JAM6(K)-72-xxx/PR/1500V, xxx= 345 do 370 co 5;  
JAM6(K)-60-xxx/PR/1500V, xxx= 285 do 310 co 5;  
JAM6(K)-72-xxx/4BB/1500V, xxx= 320 do 345 co 5;  
JAM6(K)-60-xxx/4BB/1500V, xxx= 265 do 285 co 5;  
JAM72S01-xxx/SC/1500V, xxx= 320 do 365 co 5;  
JAM60S01-xxx/SC/1500V, xxx= 265 do 305 co 5;  
JAM72S01-xxx/PR/1500V, xxx= 345 do 390 co 5;  
JAM60S01-xxx/PR/1500V, xxx= 285 do 325 co 5;  
JAM72S01-xxx/MR/1500V, xxx= 365 do 385 co 5;  
JAM60S01-xxx/MR/1500V, xxx= 305 do 320 co 5;  
JAM72S03-xxx/PR/1500V, xxx= 360 do 395 co 5;  
JAM60S03-xxx/PR/1500V, xxx= 300 do 330 co 5;  
JAM72S09-xxx/PR/1500V, xxx= 370 do 405 co 5;  
JAM60S09-xxx/PR/1500V, xxx= 310 do 335 co 5;  
JAM72S10-xxx/PR/1500V, xxx= 380 do 410 co 5;  
JAM60S10-xxx/PR/1500V, xxx= 315 do 345 co 5;  
JAM72S10-xxx/MR/1500V, xxx= 390 do 430 co 5;  
JAM60S10-xxx/MR/1500V, xxx= 325 do 355 co 5;  
JAM60S10-xxx/MR-L/1500V, xxx= 325 do 355 co 5;  
JAM78S10-xxx/MR/1500V, xxx= 435 do 465 co 5;

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JAM66S10-xxx/MR/1500V, xxx= 345 do 390 co 5;  
JAM72S09-xxx/BP/1500V, xxx= 375 do 385 co 5;  
JAM60S09-xxx/BP/1500V, xxx= 315 do 320 co 5;  
JAM72S10-xxx/BP/1500V, xxx= 385 do 400 co 5;  
JAM60S10-xxx/BP/1500V, xxx= 320 do 330 co 5;  
JAM72S02-xxx/PR/1500V, xxx= 345 do 390 co 5;  
JAM60S02-xxx/PR/1500V, xxx= 285 do 325 co 5;  
JAM72S02-xxx/SC/1500V, xxx= 320 do 365 co 5;  
JAM60S02-xxx/SC/1500V, xxx= 265 do 305 co 5;

JAM72S02-xxx/MR/1500V, xxx= 365 do 385 co 5;  
JAM60S02-xxx/MR/1500V, xxx= 305 do 320 co 5;  
JAM72S08-xxx/PR/1500V, xxx= 360 do 395 co 5;  
JAM60S08-xxx/PR/1500V, xxx= 300 do 330 co 5;  
JAM72S12-xxx/PR/1500V, xxx= 365 do 385 co 5;  
JAM60S12-xxx/PR/1500V, xxx= 305 do 330 co 5;  
JAM72S17-xxx/PR/1500V, xxx= 380 do 390 co 5;  
JAM60S17-xxx/PR/1500V, xxx= 315 do 325 co 5;  
JAM72S17-xxx/MR/1500V, xxx= 390 do 430 co 5;  
JAM60S17-xxx/MR/1500V, xxx= 315 do 355 co 5;  
JAM72S10-xxx/MB/1500V, xxx= 395 do 415 co 5;  
JAM60S10-xxx/MB/1500V, xxx= 330 do 345 co 5;  
JAM72S20-xxx/MR/1500V, xxx= 430 do 470 co 5;  
JAM60S20-xxx/MR/1500V, xxx= 355 do 390 co 5;  
JAM78S30-xxx/MR/1500V, xxx= 580 do 605 co 5;  
JAM72S30-xxx/MR/1500V, xxx= 510 do 560 co 5;  
JAM72S30-xxx/MB/1500V, xxx= 535 do 550 co 5;  
JAM72S31-xxx/MB/1500V, xxx= 525 do 540 co 5;  
JAM66S30-xxx/MR/1500V, xxx= 470 do 510 co 5;  
JAM60S30-xxx/MR/1500V, xxx= 435 do 460 co 5;  
JAM54S30-xxx/MR/1500V, xxx= 390 do 425 co 5;  
JAM54S30-xxx/MB/1500V, xxx= 385 do 410 co 5;  
JAM54S31-xxx/MB/1500V, xxx= 385 do 405 co 5;  
JAM60S21-xxx/MR/1500V, xxx= 355 do 390 co 5;  
JAM50S40-xxx/MR/1500V, xxx= 490 do 500 co 5;  
JAM72S20-xxx/MB/1500V, xxx= 450 do 465 co 5;  
JAM60S20-xxx/MB/1500V, xxx= 375 do 390 co 5;  
JAM72S31-xxx/MR/1500V, xxx= 510 do 545 co 5;  
JAM66S31-xxx/MR/1500V, xxx= 470 do 500 co 5;  
JAM60S31-xxx/MR/1500V, xxx= 425 do 450 co 5;  
JAM54S31-xxx/MR/1500V, xxx= 385 do 415 co 5;  
JAM76S11-xxx/PR(B)/1500V, xxx= 395 do 415 co 5;  
JAM78S30-xxx/GR/1500V, xxx= 575 do 610 co 5;  
JAM72S30-xxx/GR/1500V, xxx= 510 do 560 co 5;  
JAM66S30-xxx/GR/1500V, xxx= 500 do 510 co 5;  
JAM60S30-xxx/GR/1500V, xxx= 445 do 470 co 5;  
JAM54S30-xxx/GR/1500V, xxx= 400 do 420 co 5;  
JAM78S31-xxx/GR/1500V, xxx= 570 do 590 co 5;  
JAM72S31-xxx/GR/1500V, xxx= 510 do 545 co 5;  
JAM66S31-xxx/GR/1500V, xxx= 480 do 500 co 5;  
JAM60S31-xxx/GR/1500V, xxx= 435 do 450 co 5;  
JAM54S31-xxx/GR/1500V, xxx= 395 do 415 co 5;  
JAM72S17-xxx/GR/1500V, xxx= 385 do 400 co 5;  
JAM72S40-xxx/GR/1500V, xxx= 540 do 575 co 5;  
JAM66S40-xxx/GR/1500V, xxx= 495 do 525 co 5;  
JAM60S40-xxx/GR/1500V, xxx= 450 do 480 co 5;  
JAM54S40-xxx/GR/1500V, xxx= 405 do 430 co 5;  
JAM72S40-xxx/MR/1500V, xxx= 560 do 590 co 5;

JAM72S41-xxx/GR/1500V, xxx= 540 do 570 co 5;  
JAM66S41-xxx/GR/1500V, xxx= 495 do 525 co 5;  
JAM60S41-xxx/GR/1500V, xxx= 450 do 475 co 5;  
JAM54S41-xxx/GR/1500V, xxx= 405 do 430 co 5;  
JAM66S35-xxx/MR/1500V, xxx= 650 do 670 co 5;  
JAM60S35-xxx/MR/1500V, xxx= 590 do 610 co 5;  
JAM72S30-xxx/LR/1500V, xxx= 555 do 580 co 5;  
JAM54S30-xxx/LR/1500V, xxx= 415 do 435 co 5;  
JAM54S31-xxx/LR/1500V, xxx= 415 do 425 co 5;  
JAM54S30-xxx/LB/1500V, xxx= 410 do 425 co 5;  
JAM54S31-xxx/LB/1500V, xxx= 410 do 415 co 5;  
xxx oznacza moc znamionową w standardowych warunkach testowych (STC)

TÜV®

Strona 6 z 7

TÜV SÜD Product Service GmbH – Jednostka certyfikująca – Ridlerstraße 65 – 80339  
Monachium - Niemcy  
[następna strona]

[znak TÜV SÜD Product Service]

## CERTYFIKAT

**Nr Z2 072092 0295 Wer. 79**

**Parametry:** Konstrukcja: w oprawie lub bez, z puszką przyłączeniową, przewodem i złączami.

Laboratorium testowe: Yangzhou Opto-Electrical Products Testing Institute,  
No. 10 West Kaifa Road, Yangzhou, 225009 Jiangsu, ChRL.

Klasa bezpieczeństwa: Klasa II

Maksymalne napięcie układu: 1500 V DC lub 1000 V DC

Klasa bezpieczeństwa ogniwego: klasa C zgodnie z UL790  
Zakład(y) produkcyjny/-e: 079395, 095903, 108746, 072092,  
109998, 112017, 113943, 114922,  
004170, 121678, 123101, 123430,  
119123, 126010, 121158, 124145,  
120210

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

Strona 7 z 7

TÜV SÜD Product Service GmbH – Jednostka certyfikująca – Ridlerstraße 65 – 80339  
Monachium - Niemcy

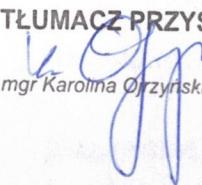
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Repertorium nr 46/2026

Ja, tłumacz przysięgły mgr Karolina Ojrzyńska-Stasiak, TP/3425/05, poświadczam niniejszym  
zgodność powyższego tłumaczenia z oryginalnym dokumentem wydanym w formie elektronicznej w  
języku angielskim.

Łódź, dnia 29.01.2026 r.

TŁUMACZ PRZYSIEGŁY  
mgr Karolina Ojrzyńska-Stasiak





Product Service

# C E R T I F I C A T E

No. Z2 072092 0295 Rev. 79

**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, Certification, Validation and Verification 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.:** 704061604115-94

**Valid until:** 2029-06-20

**Date,** 2024-06-21

( Zhulin Zhang )

# C E R T I F I C A T E

No. Z2 072092 0295 Rev. 79

## Model(s):

### 1500 V DC Maximum System Voltage, Double Glass 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 560 in steps of 5;  
JAM72D30-xxx/MB/F/1500V, JAM72D30-xxx/MB/F, xxx= 505 to 560 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;  
JAM54D31-xxx/MB/1500V, JAM54D31-xxx/MB, xxx= 395 to 400 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 610 in steps of 5;  
JAM72D30-xxx/GB/1500V, JAM72D30-xxx/GB, xxx= 505 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 470 in steps of 5;  
JAM54D30-xxx/GB/1500V, JAM54D30-xxx/GB, xxx= 405 to 420 in steps of 5;  
JAM54D31-xxx/GB/1500V, JAM54D31-xxx/GB, xxx= 410 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 650 in steps of 5;  
JAM72D40-xxx/MB/1500V, JAM72D40-xxx/MB, xxx= 540 to 600 in steps of 5;  
JAM72D41-xxx/MB/1500V, JAM72D41-xxx/MB, xxx= 575 to 590 in steps of 5;  
JAM66D40-xxx/MB/1500V, JAM66D40-xxx/MB, xxx= 500 to 545 in steps of 5;  
JAM60D40-xxx/MB/1500V, JAM60D40-xxx/MB, xxx= 455 to 495 in steps of 5;  
JAM54D40-xxx/MB/1500V, JAM54D40-xxx/MB, xxx= 405 to 450 in steps of 5;  
JAM54D41-xxx/MB/1500V, JAM54D41-xxx/MB, xxx= 405 to 440 in steps of 5;  
JAM54D40-xxx/MR/1500V, JAM54D40-xxx/MR, xxx= 405 to 450 in steps of 5;  
JAM78D40-xxx/GB/1500V, JAM78D40-xxx/GB, xxx= 580 to 650 in steps of 5;  
JAM72D40-xxx/GB/1500V, JAM72D40-xxx/GB, xxx= 540 to 600 in steps of 5;  
JAM72D41-xxx/GB/1500V, JAM72D41-xxx/GB, xxx= 575 to 590 in steps of 5;  
JAM66D40-xxx/GB/1500V, JAM66D40-xxx/GB, xxx= 500 to 545 in steps of 5;  
JAM60D40-xxx/GB/1500V, JAM60D40-xxx/GB, xxx= 455 to 495 in steps of 5;  
JAM54D40-xxx/GB/1500V, JAM54D40-xxx/GB, xxx= 405 to 450 in steps of 5;  
JAM54D41-xxx/GB/1500V, JAM54D41-xxx/GB, xxx= 415 to 435 in steps of 5;  
JAM66D35-xxx/MB/1500V, JAM66D35-xxx/MB, xxx= 650 to 665 in steps of 5;  
JAM60D35-xxx/MB/1500V, JAM60D35-xxx/MB, xxx= 590 to 605 in steps of 5;  
JAM78D30-xxx/TB/1500V, JAM78D30-xxx/TB, xxx= 580 to 630 in steps of 5;  
JAM72D30-xxx/TB/1500V, JAM72D30-xxx/TB, xxx= 540 to 580 in steps of 5;  
JAM72D40-xxx/LB/1500V, JAM72D40-xxx/LB, xxx= 560 to 615 in steps of 5;  
JAM60D40-xxx/LB/1500V, JAM60D40-xxx/LB, xxx= 485 to 510 in steps of 5;  
JAM54D40-xxx/LB/1500V, JAM54D40-xxx/LB, xxx= 420 to 460 in steps of 5;  
JAM54D40-xxx/LR/1500V, JAM54D40-xxx/LR, xxx= 420 to 460 in steps of 5;  
JAM54D41-xxx/LB/1500V, JAM54D41-xxx/LB, xxx= 420 to 455 in steps of 5;  
JAM72D42-xxx/LB/1500V, JAM72D42-xxx/LB, xxx= 590 to 650 in steps of 5;  
JAM60D42-xxx/LB/1500V, JAM60D42-xxx/LB, xxx= 500 to 540 in steps of 5;  
JAM54D42-xxx/LB/1500V, JAM54D42-xxx/LB, xxx= 455 to 485 in steps of 5;  
JAM66D42-xxx/MB/1500V, JAM66D42-xxx/MB, xxx= 540 to 595 in steps of 5;  
JAM66D43-xxx/MB/1500V, JAM66D43-xxx/MB, xxx= 565 to 580 in steps of 5;  
JAM72D30-xxx/LB/1500V, JAM72D30-xxx/LB, xxx= 555 to 575 in steps of 5;  
JAM54D30-xxx/LB/1500V, JAM54D30-xxx/LB, xxx= 420 to 430 in steps of 5;  
JAM66D45-xxx/LB/1500V, JAM66D45-xxx/LB, xxx= 585 to 620 in steps of 5;

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JAM78D49-xxx/LB/1500V, JAM78D49-xxx/LB, xxx= 585 to 610 in steps of 5;  
JAM72D40-xxx/HB/1500V, JAM72D40-xxx/HB, xxx= 585 to 605 in steps of 5,  
JAM54D40-xxx/HB/1500V, JAM54D40-xxx/HB, xxx= 440 to 450 in steps of 5;  
JAM54D41-xxx/HB/1500V, JAM54D41-xxx/HB, xxx= 430 to 445 in steps of 5;  
JAM66D46-xxx/LB/1500V, JAM66D46-xxx/LB, xxx = 685 to 710 in steps of 5;

## 1000 V DC Maximum System Voltage, Single Glass 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;  
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 560 in steps of 5;  
JAM72S30-xxx/MB/1000V, xxx=535 to 550 in steps of 5;  
JAM72S31-xxx/MB/1000V, xxx=525 to 540 in steps of 5;  
JAM66S30-xxx/MR/1000V, xxx=470 to 510 in steps of 5;  
JAM60S30-xxx/MR/1000V, xxx=435 to 460 in steps of 5;  
JAM54S30-xxx/MR/1000V, xxx= 390 to 425 in steps of 5;  
JAM54S30-xxx/MR-XSOL, xxx=415;  
JAM54S30-xxx/MB/1000V, xxx= 385 to 410 in steps of 5;  
JAM54S31-xxx/MB/1000V, xxx= 385 to 405 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 415 in steps of 5;  
JAM76S11-xxx/PR(B)/1000V, xxx= 395 to 415 in steps of 5;

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JAM78S30-xxx/GR/1000V, xxx= 575 to 610 in steps of 5;  
JAM72S30-xxx/GR/1000V, xxx= 510 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 470 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= 510 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 415 in steps of 5;  
JAM72S17-xxx/GR/1000V, xxx= 385 to 400 in steps of 5;  
JAM72S40-xxx/GR/1000V, xxx= 540 to 575 in steps of 5;  
JAM66S40-xxx/GR/1000V, xxx= 495 to 525 in steps of 5;  
JAM60S40-xxx/GR/1000V, xxx= 450 to 480 in steps of 5;  
JAM54S40-xxx/GR/1000V, xxx= 405 to 430 in steps of 5;  
JAM72S40-xxx/MR/1000V, xxx= 560 to 590 in steps of 5;  
JAM72S41-xxx/GR/1000V, xxx= 540 to 570 in steps of 5;  
JAM66S41-xxx/GR/1000V, xxx= 495 to 525 in steps of 5;  
JAM60S41-xxx/GR/1000V, xxx= 450 to 475 in steps of 5;  
JAM54S41-xxx/GR/1000V, xxx= 405 to 430 in steps of 5;  
JAM66S35-xxx/MR/1000V, xxx= 650 to 670 in steps of 5;  
JAM60S35-xxx/MR/1000V, xxx= 590 to 610 in steps of 5;  
JAM72S30-xxx/LR/1000V, xxx= 555 to 580 in steps of 5;  
JAM54S30-xxx/LR/1000V, xxx= 415 to 435 in steps of 5;  
JAM54S31-xxx/LR/1000V, xxx= 415 to 425 in steps of 5;  
JAM54S30-xxx/LB/1000V, xxx= 410 to 425 in steps of 5;  
JAM54S31-xxx/LB/1000V, xxx= 410 to 415 in steps of 5;

1000 V DC or 1500 V DC Maximum System Voltage,  
Single Glass Modules:

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;  
JAM72S01-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= 360 to 395 in steps of 5;  
JAM60S03-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;  
JAM72S10-xxx/PR, xxx= 380 to 410 in steps of 5;  
JAM60S10-xxx/PR, xxx= 315 to 345 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;  
JAM60S10-xxx/MR-L, xxx= 325 to 355 in steps of 5;  
JAM78S10-xxx/MR, xxx= 435 to 465 in steps of 5;  
JAM66S10-xxx/MR, xxx= 345 to 390 in steps of 5;  
JAM72S09-xxx/BP, xxx= 375 to 385 in steps of 5;  
JAM60S09-xxx/BP, xxx= 315 to 320 in steps of 5;  
JAM72S10-xxx/BP, xxx= 385 to 400 in steps of 5;  
JAM60S10-xxx/BP, xxx= 320 to 330 in steps of 5;  
JAM72S02-xxx/PR, xxx= 345 to 390 in steps of 5;  
JAM60S02-xxx/PR, xxx= 285 to 325 in steps of 5;  
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;

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JAM72S30-xxx/MR, xxx=510 to 560 in steps of 5;  
JAM72S30-xxx/MR-YH, xxx=535 to 555 in steps of 5;  
JAM72S30-xxx/MB, xxx=535 to 550 in steps of 5;  
JAM72S31-xxx/MB, xxx=525 to 540 in steps of 5;  
JAM66S30-xxx/MR, xxx=470 to 510 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;  
JAM54S30-xxx/MB, xxx= 385 to 410 in steps of 5;  
JAM54S31-xxx/MB, xxx= 385 to 405 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 415 in steps of 5;  
JAM76S11-xxx/PR(B), xxx= 395 to 415 in steps of 5;  
JAM78S30-xxx/GR, xxx= 575 to 610 in steps of 5;  
JAM72S30-xxx/GR, xxx= 510 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;  
JAM78S31-xxx/GR, xxx= 570 to 590 in steps of 5;  
JAM72S31-xxx/GR, xxx= 510 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 415 in steps of 5;  
JAM72S17-xxx/GR, xxx= 385 to 400 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;  
JAM72S40-xxx/MR, xxx= 560 to 590 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;  
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 425 in steps of 5;  
JAM54S30-xxx/LB, xxx= 410 to 425 in steps of 5;  
JAM54S31-xxx/LB, xxx= 410 to 415 in steps of 5;

1500 V DC Maximum System Voltage, Single Glass 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;

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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;  
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 560 in steps of 5;  
JAM72S30-xxx/MB/1500V, xxx= 535 to 550 in steps of 5;  
JAM72S31-xxx/MB/1500V, xxx= 525 to 540 in steps of 5;  
JAM66S30-xxx/MR/1500V, xxx= 470 to 510 in steps of 5;  
JAM60S30-xxx/MR/1500V, xxx= 435 to 460 in steps of 5;  
JAM54S30-xxx/MR/1500V, xxx= 390 to 425 in steps of 5;  
JAM54S30-xxx/MB/1500V, xxx= 385 to 410 in steps of 5;  
JAM54S31-xxx/MB/1500V, xxx= 385 to 405 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 415 in steps of 5;  
JAM76S11-xxx/PR(B)/1500V, xxx= 395 to 415 in steps of 5;  
JAM78S30-xxx/GR/1500V, xxx= 575 to 610 in steps of 5;  
JAM72S30-xxx/GR/1500V, xxx= 510 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 470 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= 510 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 415 in steps of 5;  
JAM72S17-xxx/GR/1500V, xxx= 385 to 400 in steps of 5;  
JAM72S40-xxx/GR/1500V, xxx= 540 to 575 in steps of 5;  
JAM66S40-xxx/GR/1500V, xxx= 495 to 525 in steps of 5;  
JAM60S40-xxx/GR/1500V, xxx= 450 to 480 in steps of 5;  
JAM54S40-xxx/GR/1500V, xxx= 405 to 430 in steps of 5;  
JAM72S40-xxx/MR/1500V, xxx= 560 to 590 in steps of 5;  
JAM72S41-xxx/GR/1500V, xxx= 540 to 570 in steps of 5;  
JAM66S41-xxx/GR/1500V, xxx= 495 to 525 in steps of 5;  
JAM60S41-xxx/GR/1500V, xxx= 450 to 475 in steps of 5;  
JAM54S41-xxx/GR/1500V, xxx= 405 to 430 in steps of 5;  
JAM66S35-xxx/MR/1500V, xxx= 650 to 670 in steps of 5;  
JAM60S35-xxx/MR/1500V, xxx= 590 to 610 in steps of 5;  
JAM72S30-xxx/LR/1500V, xxx= 555 to 580 in steps of 5;  
JAM54S30-xxx/LR/1500V, xxx= 415 to 435 in steps of 5;  
JAM54S31-xxx/LR/1500V, xxx= 415 to 425 in steps of 5;  
JAM54S30-xxx/LB/1500V, xxx= 410 to 425 in steps of 5;  
JAM54S31-xxx/LB/1500V, xxx= 410 to 415 in steps of 5;  
xxx is standing for rated output power at STC

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**Parameters:**

Construction: Framed or Frameless, with Junction box, Cable and Connectors.  
Test Laboratory: Yangzhou Opto-Electrical Products Testing Institute  
Safety Class: Class II  
Maximum System Voltage: 1500 V DC or 1000 V DC  
Fire Safety Class: Class C according to UL790.  
Production Facility(ies): 079395, 095903, 108746, 072092, 109998, 112017, 113943, 114922, 004170, 121678, 123101, 123430, 119123, 126010, 121158, 124145, 120210

**Tested according to:**

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