

[Kod QR i logo:]
TUV SUD
Product Service

CERTYFIKAT

Nr Z2 072092 0295 Rev. 79

Posiadacz certyfikatu: **Shanghai JA Solar Technology Co., Ltd.**
No 118, Lane 3111
West Huancheng Road
Fengxian District
201401 Szanghaj
CHIŃSKA REPUBLIKA LUDOWA

Znak certyfikacji:



Produkt: **Naziemne moduły fotowoltaiczne z krzemu krystalicznego**
Moduł fotowoltaiczny z krzemu monokrystalicznego

Produkt został przetestowany dobrowolnie i spełnia podstawowe wymagania. Powyższy znak certyfikacji może być umieszczony na produkcie. Zabrania się jakiegokolwiek modyfikowania znaku certyfikacji. Ponadto posiadacz certyfikatu nie może przekazywać certyfikatu osobom trzecim. Certyfikat jest ważny do wskazanej daty, chyba że zostanie wcześniej unieważniony. Należy przestrzegać wszystkich obowiązujących wymagań dotyczących testowania, certyfikacji, walidacji i weryfikacji Grupy TÜV SÜD. Szczegóły dostępne na stronie: www.tuvsud.com/ps-cert

Numer raportu z badań: 704061604115-94
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[Podpis nieczytelny]
(Zhulin Zhang)

Strona 1 z 7

TÜV SÜD Product Service GmbH • Jednostka Certyfikująca • Ridlerstraße 65 • 80339
Monachium • Niemcy



CERTYFIKAT

Nr Z2 072092 0295 Rev. 79

Modele:

500 V DC – Maksymalne napięcie systemowe, moduły z podwójną szyną:

JAM72D00-xxx/BP/1500V, JAM72D00-xxx/BP: xxx = od 330 do 385 (co 5)
JAM60D00-xxx/BP/1500V, JAM60D00-xxx/BP: xxx = od 275 do 320 (co 5)
JAM60D00-xxx/PR/1500V, JAM60D00-xxx/PR: xxx = od 285 do 320 (co 5)
JAM72D00-xxx/PR/1500V, JAM72D00-xxx/PR: xxx = od 340 do 385 (co 5)
JAM60D00-xxx/MB/1500V, JAM60D00-xxx/MB: xxx = od 310 do 315 (co 5)
JAM72D00-xxx/MB/1500V, JAM72D00-xxx/MB: xxx = od 370 do 380 (co 5)
JAM72D09-xxx/BP/1500V, JAM72D09-xxx/BP: xxx = od 360 do 400 (co 5)
JAM60D09-xxx/BP/1500V, JAM60D09-xxx/BP: xxx = od 300 do 340 (co 5)
JAM72D10-xxx/MB/1500V, JAM72D10-xxx/MB: xxx = od 385 do 430 (co 5)
JAM60D10-xxx/MB/1500V, JAM60D10-xxx/MB: xxx = od 320 do 355 (co 5)
JAM72D10-xxx/BP/1500V, JAM72D10-xxx/BP: xxx = od 385 do 415 (co 5)
JAM60D10-xxx/BP/1500V, JAM60D10-xxx/BP: xxx = od 320 do 345 (co 5)
JAM66D10-xxx/MB/1500V, JAM66D10-xxx/MB: xxx = od 360 do 380 (co 5)
JAM78D10-xxx/MB/1500V, JAM78D10-xxx/MB: xxx = od 435 do 455 (co 5)
JAM72D20-xxx/MB/1500V, JAM72D20-xxx/MB: xxx = od 430 do 465 (co 5)
JAM60D20-xxx/MB/1500V, JAM60D20-xxx/MB: xxx = od 355 do 385 (co 5)
JAM72D10-xxx/TB/1500V, JAM72D10-xxx/TB: xxx = od 400 do 420 (co 5)
JAM60D10-xxx/TB/1500V, JAM60D10-xxx/TB: xxx = od 335 do 350 (co 5)
JAM78D30-xxx/MB/1500V, JAM78D30-xxx/MB: xxx = od 580 do 605 (co 5)
JAM72D30-xxx/MB/1500V, JAM72D30-xxx/MB: xxx = od 505 do 560 (co 5)
JAM72D30-xxx/MB/F/1500V, JAM72D30-xxx/MB/F: xxx = od 505 do 560 (co 5)
JAM66D30-xxx/MB/1500V, JAM66D30-xxx/MB: xxx = od 465 do 505 (co 5)
JAM66D30-xxx/MB/F/1500V, JAM66D30-xxx/MB/F: xxx = od 465 do 505 (co 5)
JAM60D30-xxx/MB/1500V, JAM60D30-xxx/MB: xxx = od 435 do 460 (co 5)
JAM54D30-xxx/MB/1500V, JAM54D30-xxx/MB: xxx = od 390 do 415 (co 5)
JAM54D31-xxx/MB/1500V, JAM54D31-xxx/MB: xxx = od 395 do 400 (co 5)
JAM50D40-xxx/MB/1500V, JAM50D40-xxx/MB: xxx = od 485 do 500 (co 5)
JAM78D30-xxx/GB/1500V, JAM78D30-xxx/GB: xxx = od 585 do 610 (co 5)
JAM72D30-xxx/GB/1500V, JAM72D30-xxx/GB: xxx = od 505 do 560 (co 5)
JAM66D30-xxx/GB/1500V, JAM66D30-xxx/GB: xxx = od 495 do 510 (co 5)
JAM60D30-xxx/GB/1500V, JAM60D30-xxx/GB: xxx = od 450 do 470 (co 5)
JAM54D30-xxx/GB/1500V, JAM54D30-xxx/GB: xxx = od 405 do 420 (co 5)
JAM54D31-xxx/GB/1500V, JAM54D31-xxx/GB: xxx = od 410 do 420 (co 5)
JAM72D30-xxx/GB/1500V, JAM72D30-xxx/GB: xxx = od 530 do 560 (co 5)
JAM78D40-xxx/MB/1500V, JAM78D40-xxx/MB: xxx = od 580 do 650 (co 5)
JAM72D40-xxx/MB/1500V, JAM72D40-xxx/MB: xxx = od 540 do 600 (co 5)
JAM72D41-xxx/MB/1500V, JAM72D41-xxx/MB: xxx = od 575 do 590 (co 5)
JAM66D40-xxx/MB/1500V, JAM66D40-xxx/MB: xxx = od 500 do 545 (co 5)
JAM60D40-xxx/MB/1500V, JAM60D40-xxx/MB: xxx = od 455 do 495 (co 5)

JAM54D40-xxx/MB/1500V, JAM54D40-xxx/MB: xxx = od 405 do 450 (co 5)
JAM54D41-xxx/MB/1500V, JAM54D41-xxx/MB: xxx = od 405 do 440 (co 5)
JAM54D40-xxx/MR/1500V, JAM54D40-xxx/MR: xxx = od 405 do 450 (co 5)
JAM78D40-xxx/GB/1500V, JAM78D40-xxx/GB: xxx = od 580 do 650 (co 5)
JAM72D40-xxx/GB/1500V, JAM72D40-xxx/GB: xxx = od 540 do 600 (co 5)
JAM72D41-xxx/GB/1500V, JAM72D41-xxx/GB: xxx = od 575 do 590 (co 5)
JAM66D40-xxx/GB/1500V, JAM66D40-xxx/GB: xxx = od 500 do 545 (co 5)
JAM60D40-xxx/GB/1500V, JAM60D40-xxx/GB: xxx = od 455 do 495 (co 5)
JAM54D40-xxx/GB/1500V, JAM54D40-xxx/GB: xxx = od 405 do 450 (co 5)
JAM54D41-xxx/GB/1500V, JAM54D41-xxx/GB: xxx = od 415 do 435 (co 5)
JAM66D35-xxx/MB/1500V, JAM66D35-xxx/MB: xxx = od 650 do 665 (co 5)
JAM60D35-xxx/MB/1500V, JAM60D35-xxx/MB: xxx = od 590 do 605 (co 5)
JAM78D30-xxx/TB/1500V, JAM78D30-xxx/TB: xxx = od 580 do 630 (co 5)
JAM72D30-xxx/TB/1500V, JAM72D30-xxx/TB: xxx = od 540 do 580 (co 5)
JAM72D40-xxx/LB/1500V, JAM72D40-xxx/LB: xxx = od 560 do 615 (co 5)
JAM60D40-xxx/LB/1500V, JAM60D40-xxx/LB: xxx = od 485 do 510 (co 5)
JAM54D40-xxx/LB/1500V, JAM54D40-xxx/LB: xxx = od 420 do 460 (co 5)
JAM54D40-xxx/LR/1500V, JAM54D40-xxx/LR: xxx = od 420 do 460 (co 5)
JAM54D41-xxx/LB/1500V, JAM54D41-xxx/LB: xxx = od 420 do 455 (co 5)
JAM72D42-xxx/LB/1500V, JAM72D42-xxx/LB: xxx = od 590 do 650 (co 5)
JAM60D42-xxx/LB/1500V, JAM60D42-xxx/LB: xxx = od 500 do 540 (co 5)
JAM54D42-xxx/LB/1500V, JAM54D42-xxx/LB: xxx = od 455 do 485 (co 5)
JAM66D42-xxx/MB/1500V, JAM66D42-xxx/MB: xxx = od 540 do 595 (co 5)
JAM66D43-xxx/MB/1500V, JAM66D43-xxx/MB: xxx = od 565 do 580 (co 5)
JAM72D30-xxx/LB/1500V, JAM72D30-xxx/LB: xxx = od 555 do 575 (co 5)
JAM54D30-xxx/LB/1500V, JAM54D30-xxx/LB: xxx = od 420 do 430 (co 5)
JAM66D45-xxx/LB/1500V, JAM66D45-xxx/LB: xxx = od 585 do 620 (co 5)

Strona 2 z 7

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

1 000 V DC – Maksymalne napięcie systemowe, moduły z pojedynczą szyną:

JAM6(K)-72-xxx/PR: xxx = od 345 do 370 (co 5)
JAM6(K)-60-xxx/PR: xxx = od 285 do 310 (co 5)
JAM6(K)-72-xxx/4BB: xxx = od 320 do 345 (co 5)
JAM6(K)-60-xxx/4BB: xxx = od 265 do 285 (co 5)
JAM72S01-xxx/SC/1000V: xxx = od 320 do 365 (co 5)
JAM60S01-xxx/SC/1000V: xxx = od 265 do 305 (co 5)
JAM72S01-xxx/PR/1000V: xxx = od 345 do 390 (co 5)
JAM60S01-xxx/PR/1000V: xxx = od 285 do 325 (co 5)
JAM72S01-xxx/MR/1000V: xxx = od 365 do 385 (co 5)
JAM60S01-xxx/MR/1000V: xxx = od 305 do 320 (co 5)
JAM72S03-xxx/PR/1000V: xxx = od 360 do 395 (co 5)
JAM60S03-xxx/PR/1000V: xxx = od 300 do 330 (co 5)




JAM72S09-xxx/PR/1000V: xxx = od 370 do 405 (co 5)
JAM60S09-xxx/PR/1000V: xxx = od 310 do 335 (co 5)
JAM72S10-xxx/PR/1000V: xxx = od 380 do 410 (co 5)
JAM60S10-xxx/PR/1000V: xxx = od 315 do 345 (co 5)
JAM72S10-xxx/MR/1000V: xxx = od 390 do 430 (co 5)
JAM60S10-xxx/MR/1000V: xxx = od 325 do 355 (co 5)
JAM60S10-xxx/MR-L/1000V: xxx = od 325 do 355 (co 5)
JAM78S10-xxx/MR/1000V: xxx = od 435 do 465 (co 5)
JAM66S10-xxx/MR/1000V: xxx = od 345 do 390 (co 5)
JAM72S09-xxx/BP/1000V: xxx = od 375 do 385 (co 5)
JAM60S09-xxx/BP/1000V: xxx = od 315 do 320 (co 5)
JAM72S10-xxx/BP/1000V: xxx = od 385 do 400 (co 5)
JAM60S10-xxx/BP/1000V: xxx = od 320 do 330 (co 5)
JAM72S02-xxx/PR/1000V: xxx = od 345 do 390 (co 5)
JAM60S02-xxx/PR/1000V: xxx = od 285 do 325 (co 5)
JAM72S02-xxx/SC/1000V: xxx = od 320 do 365 (co 5)
JAM60S02-xxx/SC/1000V: xxx = od 265 do 305 (co 5)
JAM72S02-xxx/MR/1000V: xxx = od 365 do 385 (co 5)
JAM60S02-xxx/MR/1000V: xxx = od 305 do 320 (co 5)
JAM72S08-xxx/PR/1000V: xxx = od 360 do 395 (co 5)
JAM60S08-xxx/PR/1000V: xxx = od 300 do 330 (co 5)
JAM72S12-xxx/PR/1000V: xxx = od 365 do 385 (co 5)
JAM60S12-xxx/PR/1000V: xxx = od 305 do 330 (co 5)
JAM72S17-xxx/PR/1000V: xxx = od 380 do 390 (co 5)
JAM60S17-xxx/PR/1000V: xxx = od 315 do 325 (co 5)
JAM72S17-xxx/MR/1000V: xxx = od 390 do 430 (co 5)
JAM60S17-xxx/MR/1000V: xxx = od 315 do 355 (co 5)
JAM72S10-xxx/MB/1000V: xxx = od 395 do 415 (co 5)
JAM60S10-xxx/MB/1000V: xxx = od 330 do 345 (co 5)

Strona 3 z 7

JAM78S30-xxx/GR/1000V: xxx = od 575 do 610 (co 5)
JAM72S30-xxx/GR/1000V: xxx = od 510 do 560 (co 5)
JAM66S30-xxx/GR/1000V: xxx = od 500 do 510 (co 5)
JAM60S30-xxx/GR/1000V: xxx = od 445 do 470 (co 5)
JAM54S30-xxx/GR/1000V: xxx = od 400 do 420 (co 5)
JAM78S31-xxx/GR/1000V: xxx = od 570 do 590 (co 5)
JAM72S31-xxx/GR/1000V: xxx = od 510 do 545 (co 5)
JAM66S31-xxx/GR/1000V: xxx = od 480 do 500 (co 5)
JAM60S31-xxx/GR/1000V: xxx = od 430 do 450 (co 5)
JAM54S31-xxx/GR/1000V: xxx = od 395 do 415 (co 5)
JAM72S17-xxx/GR/1000V: xxx = od 385 do 400 (co 5)
JAM72S40-xxx/GR/1000V: xxx = od 540 do 575 (co 5)
JAM66S40-xxx/GR/1000V: xxx = od 495 do 525 (co 5)
JAM60S40-xxx/GR/1000V: xxx = od 450 do 480 (co 5)
JAM54S40-xxx/GR/1000V: xxx = od 405 do 430 (co 5)
JAM72S41-xxx/GR/1000V: xxx = od 540 do 570 (co 5)
JAM66S41-xxx/GR/1000V: xxx = od 495 do 525 (co 5)

  

JAM60S41-xxx/GR/1000V: xxx = od 450 do 475 (co 5)
JAM54S41-xxx/GR/1000V: xxx = od 405 do 430 (co 5)
JAM72S40-xxx/MR/1000V: xxx = od 560 do 590 (co 5)
JAM66S35-xxx/MR/1000V: xxx = od 650 do 670 (co 5)
JAM60S35-xxx/MR/1000V: xxx = od 590 do 610 (co 5)
JAM72S30-xxx/LR/1000V: xxx = od 555 do 580 (co 5)
JAM54S30-xxx/LR/1000V: xxx = od 415 do 435 (co 5)
JAM54S31-xxx/LR/1000V: xxx = od 415 do 425 (co 5)
JAM54S30-xxx/LB/1000V: xxx = od 410 do 425 (co 5)
JAM54S31-xxx/LB/1000V: xxx = od 410 do 415 (co 5)

1 000 V DC lub 1 500 V DC – Maksymalne napięcie systemowe, moduły z pojedynczą szyną:

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




JAM60S20-xxx/MR: xxx = od 355 do 390 (co 5)
JAM78S10-xxx/MR-J: xxx = od 435 do 465 (co 5)
JAM78S30-xxx/MR: xxx = od 580 do 605 (co 5)

Strona 4 z 7

1 000 V DC – Maksymalne napięcie systemowe, moduły z pojedynczą szyną:

JAM72S30-xxx/MR: xxx = od 510 do 560 (co 5)
JAM72S30-xxx/MR-YH: xxx = od 535 do 555 (co 5)
JAM72S30-xxx/MB: xxx = od 535 do 550 (co 5)
JAM72S31-xxx/MB: xxx = od 525 do 540 (co 5)
JAM66S30-xxx/MR: xxx = od 470 do 510 (co 5)
JAM60S30-xxx/MR: xxx = od 435 do 460 (co 5)
JAM54S30-xxx/MR: xxx = od 390 do 425 (co 5)
JAM54S30-xxx/MB: xxx = od 385 do 410 (co 5)
JAM54S31-xxx/MB: xxx = od 385 do 405 (co 5)
JAM60S21-xxx/MR: xxx = od 355 do 390 (co 5)
JAM50S40-xxx/MR: xxx = od 490 do 500 (co 5)
JAM72S20-xxx/MB: xxx = od 450 do 465 (co 5)
JAM60S20-xxx/MB: xxx = od 375 do 390 (co 5)
JAM68S11-xxx/PR: xxx = od 355 do 365 (co 5)
JAM68S11-xxx/PR(B): xxx = od 345 do 365 (co 5)
JAM76S11-xxx/PR(B): xxx = od 395 do 415 (co 5)
JAM72S31-xxx/MR: xxx = od 510 do 545 (co 5)
JAM66S31-xxx/MR: xxx = od 470 do 500 (co 5)
JAM60S31-xxx/MR: xxx = od 425 do 450 (co 5)
JAM54S31-xxx/MR: xxx = od 385 do 415 (co 5)
JAM72S40-xxx/MR: xxx = od 560 do 590 (co 5)
JAM66S35-xxx/MR: xxx = od 650 do 670 (co 5)
JAM60S35-xxx/MR: xxx = od 590 do 610 (co 5)
JAM78S30-xxx/GR: xxx = od 575 do 610 (co 5)
JAM72S30-xxx/GR: xxx = od 510 do 560 (co 5)
JAM66S30-xxx/GR: xxx = od 500 do 510 (co 5)
JAM60S30-xxx/GR: xxx = od 445 do 470 (co 5)
JAM54S30-xxx/GR: xxx = od 400 do 420 (co 5)
JAM78S31-xxx/GR: xxx = od 570 do 590 (co 5)
JAM72S31-xxx/GR: xxx = od 510 do 545 (co 5)
JAM66S31-xxx/GR: xxx = od 480 do 500 (co 5)
JAM60S31-xxx/GR: xxx = od 435 do 450 (co 5)
JAM54S31-xxx/GR: xxx = od 395 do 415 (co 5)
JAM72S17-xxx/GR: xxx = od 385 do 400 (co 5)
JAM72S40-xxx/GR: xxx = od 540 do 575 (co 5)
JAM66S40-xxx/GR: xxx = od 495 do 525 (co 5)
JAM60S40-xxx/GR: xxx = od 450 do 480 (co 5)
JAM54S40-xxx/GR: xxx = od 405 do 430 (co 5)
JAM72S41-xxx/GR: xxx = od 540 do 570 (co 5)
JAM66S41-xxx/GR: xxx = od 495 do 525 (co 5)
JAM60S41-xxx/GR: xxx = od 450 do 475 (co 5)
JAM54S41-xxx/GR: xxx = od 405 do 430 (co 5)
JAM72S30-xxx/LR: xxx = od 555 do 580 (co 5)




JAM54S30-xxx/LR: xxx = od 415 do 435 (co 5)
JAM54S31-xxx/LR: xxx = od 415 do 425 (co 5)
JAM54S30-xxx/LB: xxx = od 410 do 425 (co 5)
JAM54S31-xxx/LB: xxx = od 410 do 415 (co 5)

1 500 V DC – Maksymalne napięcie systemowe, moduły z pojedynczą szyną:

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

Strona 5 z 7

JAM66S10-xxx/MR/1500V: xxx = od 345 do 390 (co 5)
JAM72S09-xxx/BP/1500V: xxx = od 375 do 385 (co 5)
JAM60S09-xxx/BP/1500V: xxx = od 315 do 320 (co 5)
JAM72S10-xxx/BP/1500V: xxx = od 385 do 400 (co 5)
JAM60S10-xxx/BP/1500V: xxx = od 320 do 330 (co 5)
JAM72S02-xxx/PR/1500V: xxx = od 345 do 390 (co 5)
JAM60S02-xxx/PR/1500V: xxx = od 285 do 325 (co 5)
JAM72S02-xxx/SC/1500V: xxx = od 320 do 365 (co 5)
JAM60S02-xxx/SC/1500V: xxx = od 265 do 305 (co 5)
JAM72S08-xxx/PR/1500V: xxx = od 360 do 395 (co 5)
JAM60S08-xxx/PR/1500V: xxx = od 300 do 330 (co 5)
JAM72S12-xxx/PR/1500V: xxx = od 365 do 385 (co 5)
JAM60S12-xxx/PR/1500V: xxx = od 305 do 330 (co 5)
JAM72S17-xxx/PR/1500V: xxx = od 380 do 390 (co 5)
JAM60S17-xxx/PR/1500V: xxx = od 315 do 325 (co 5)
JAM76S11-xxx/PR(B)/1500V: xxx = od 395 do 415 (co 5)
JAM72S02-xxx/MR/1500V: xxx = od 365 do 385 (co 5)
JAM60S02-xxx/MR/1500V: xxx = od 305 do 320 (co 5)
JAM72S17-xxx/MR/1500V: xxx = od 390 do 430 (co 5)
JAM60S17-xxx/MR/1500V: xxx = od 315 do 355 (co 5)

 

JAM72S10-xxx/MB/1500V: xxx = od 395 do 415 (co 5)
JAM60S10-xxx/MB/1500V: xxx = od 330 do 345 (co 5)
JAM72S20-xxx/MR/1500V: xxx = od 430 do 470 (co 5)
JAM60S20-xxx/MR/1500V: xxx = od 355 do 390 (co 5)
JAM78S30-xxx/MR/1500V: xxx = od 580 do 605 (co 5)
JAM72S30-xxx/MR/1500V: xxx = od 510 do 560 (co 5)
JAM72S30-xxx/MB/1500V: xxx = od 535 do 550 (co 5)
JAM72S31-xxx/MB/1500V: xxx = od 525 do 540 (co 5)
JAM66S30-xxx/MR/1500V: xxx = od 470 do 510 (co 5)
JAM60S30-xxx/MR/1500V: xxx = od 435 do 460 (co 5)
JAM54S30-xxx/MR/1500V: xxx = od 390 do 425 (co 5)
JAM54S30-xxx/MB/1500V: xxx = od 385 do 410 (co 5)
JAM54S31-xxx/MB/1500V: xxx = od 385 do 405 (co 5)
JAM60S21-xxx/MR/1500V: xxx = od 355 do 390 (co 5)
JAM50S40-xxx/MR/1500V: xxx = od 490 do 500 (co 5)
JAM72S20-xxx/MB/1500V: xxx = od 450 do 465 (co 5)
JAM60S20-xxx/MB/1500V: xxx = od 375 do 390 (co 5)
JAM72S31-xxx/MR/1500V: xxx = od 510 do 545 (co 5)
JAM66S31-xxx/MR/1500V: xxx = od 470 do 500 (co 5)
JAM60S31-xxx/MR/1500V: xxx = od 425 do 450 (co 5)
JAM54S31-xxx/MR/1500V: xxx = od 385 do 415 (co 5)
JAM72S40-xxx/MR/1500V: xxx = od 560 do 590 (co 5)
JAM66S35-xxx/MR/1500V: xxx = od 650 do 670 (co 5)
JAM60S35-xxx/MR/1500V: xxx = od 590 do 610 (co 5)
JAM78S30-xxx/GR/1500V: xxx = od 575 do 610 (co 5)
JAM72S30-xxx/GR/1500V: xxx = od 510 do 560 (co 5)
JAM66S30-xxx/GR/1500V: xxx = od 500 do 510 (co 5)
JAM60S30-xxx/GR/1500V: xxx = od 445 do 470 (co 5)
JAM54S30-xxx/GR/1500V: xxx = od 400 do 420 (co 5)
JAM78S31-xxx/GR/1500V: xxx = od 570 do 590 (co 5)
JAM72S31-xxx/GR/1500V: xxx = od 510 do 545 (co 5)
JAM66S31-xxx/GR/1500V: xxx = od 480 do 500 (co 5)
JAM60S31-xxx/GR/1500V: xxx = od 435 do 450 (co 5)
JAM54S31-xxx/GR/1500V: xxx = od 395 do 415 (co 5)
JAM72S17-xxx/GR/1500V: xxx = od 385 do 400 (co 5)
JAM72S40-xxx/GR/1500V: xxx = od 540 do 575 (co 5)
JAM66S40-xxx/GR/1500V: xxx = od 495 do 525 (co 5)
JAM60S40-xxx/GR/1500V: xxx = od 450 do 480 (co 5)
JAM54S40-xxx/GR/1500V: xxx = od 405 do 430 (co 5)
JAM72S41-xxx/GR/1500V: xxx = od 540 do 570 (co 5)
JAM66S41-xxx/GR/1500V: xxx = od 495 do 525 (co 5)
JAM60S41-xxx/GR/1500V: xxx = od 450 do 475 (co 5)
JAM54S41-xxx/GR/1500V: xxx = od 405 do 430 (co 5)
JAM72S30-xxx/LR/1500V: xxx = od 555 do 580 (co 5)
JAM54S30-xxx/LR/1500V: xxx = od 415 do 435 (co 5)
JAM54S31-xxx/LR/1500V: xxx = od 415 do 425 (co 5)
JAM54S30-xxx/LB/1500V: xxx = od 410 do 425 (co 5)
JAM54S31-xxx/LB/1500V: xxx = od 410 do 415 (co 5)




xxx oznacza znamionową moc przy standardowych warunkach testowych (STC)

CERTYFIKAT

Nr Z2 072092 0295 Rev. 79

Parametry: Konstrukcja: rama lub bez ramy, z puszką przyłączeniową, kablem i złączami

Laboratorium testowe: Changzhou HuaYang Inspection and Testing Technology Co., Ltd.
NO.8 Lanxiang Road, Wujin Economic Development Zone, Changzhou, Jiangsu, Chińska Republika Ludowa

Klasa bezpieczeństwa: Klasa II
Maksymalne napięcie systemu: 1500 V DC lub 1000 V DC
Klasa odporności ogniowej: Klasa C zgodnie z UL 790

Zakłady produkcyjne: 079395, 095903, 108746, 072092, 109998, 112017, 113943, 114922, 004170, 121678, 123101, 123430, 119123, 126010, 121158, 124145, 120210

Przetestowano zgodnie z: 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

Strona 7 z 7

TÜV SÜD Product Service GmbH • Jednostka Certyfikująca • Ridlerstraße 65 • 80339 Monachium • Niemcy

[Uwagi tłumacza pisane są kursywą w nawiasach kwadratowych.]

Ja, Łukasz Zimnoch, Tłumacz Przysięgły Języka Angielskiego, wpisany do rejestru tłumaczy przysięgłych prowadzonego przez Ministra Sprawiedliwości Rzeczypospolitej Polskiej pod nr TP/47/22, zaświadczam, iż według mojej wiedzy i przekonania powyższe tłumaczenie jest zgodne z okazanym dokumentem w języku angielskim.

Repertorium nr 1479/2025
26 maja 2025





Product Service

CERTIFICATE

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

Test report no.: 704061604115-94

Valid until: 2029-06-20

Date, 2024-06-21

(Zhulin Zhang)

CERTIFICATE

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 No. 10 West Kaifa Road, Yangzhou 225009 Jiangsu, P. R. China
	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	