



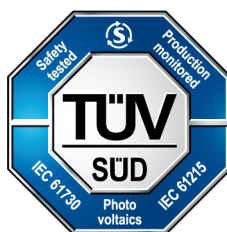
Product Service

CERTIFICATE

No. Z2 072092 0295 Rev. 44

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.: 704061604115-59

Valid until: 2026-12-28

Date, 2021-12-29

(Zhulin Zhang)

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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= 300 to 340 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 550 in steps of 5;
 JAM66D30-xxx/GB/1500V, JAM66D30-xxx/GB, xxx= 495 to 500 in steps of 5;
 JAM60D30-xxx/GB/1500V, JAM60D30-xxx/GB, xxx= 450 to 455 in steps of 5;
 JAM54D30-xxx/GB/1500V, JAM54D30-xxx/GB, xxx= 405 to 410 in steps of 5;
 JAM72D30-xxx/HB/1500V, JAM72D30-xxx/HB, xxx= 530 to 560 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;
 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;

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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 555 in steps of 5;
 JAM66S30-xxx/GR/1000V, xxx= 500 to 505 in steps of 5;
 JAM60S30-xxx/GR/1000V, xxx= 445 to 460 in steps of 5;
 JAM54S30-xxx/GR/1000V, xxx= 400 to 415 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;
 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;
 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;

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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 555 in steps of 5;
 JAM66S30-xxx/GR, xxx= 500 to 505 in steps of 5;
 JAM60S30-xxx/GR, xxx= 445 to 460 in steps of 5;
 JAM54S30-xxx/GR, xxx= 400 to 415 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;
 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;
 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;

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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 555 in steps of 5;
 JAM66S30-xxx/GR/1500V, xxx= 500 to 505 in steps of 5;
 JAM60S30-xxx/GR/1500V, xxx= 445 to 460 in steps of 5;
 JAM54S30-xxx/GR/1500V, xxx= 400 to 415 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:	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 or Class A according to UL790.
Production Facility(ies):	079535, 105674, 107160, 095903, 090968, 096558, 108293, 102852, 108746, 001783, 072092, 109998, 112017, 108944, 004170, 112715, 113691, 113943, 114922.

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



Product Service

Attestation of Conformity

No. N8A 072092 0296 Rev. 25

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

Product: **Crystalline Silicon Terrestrial Photovoltaic (PV) Modules**
Mono-Crystalline Silicon Photovoltaic Module

This Attestation of Conformity is issued on a voluntary basis according to the Low Voltage Directive 2014/35/EU relating to electrical equipment designed for use within certain voltage limits. It confirms that the listed equipment complies with the principal protection requirements of the directive and is based on the technical specifications applicable at the time of issuance. It refers only to the particular sample submitted for testing and certification. For details see: www.tuvsud.com/ps-cert

Test report no.: 704061604115-52

Date, 2021-05-17

(David Bo)

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After preparation of the necessary technical documentation as well as the EU declaration of conformity the required CE marking can be affixed on the product. The declaration of conformity is issued under the sole responsibility of the manufacturer. Other relevant EU-directives have to be observed.



Product Service

Attestation of Conformity

No. N8A 072092 0296 Rev. 25

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;
 JAM72D30-xxx/MB/1500V, JAM72D30-xxx/MB, xxx=505 to 545 in steps of 5;
 JAM72D30-xxx/MB/F/1500V, JAM72D30-xxx/MB/F,
 xxx=505 to 545 in steps of 5;
 JAM66D30-xxx/MB/1500V, JAM66D30-xxx/MB, xxx=465 to 500 in steps of 5;
 JAM66D30-xxx/MB/F/1500V, JAM66D30-xxx/MB/F,
 xxx=465 to 500 in steps of 5;
 JAM60D30-xxx/MB/1500V, JAM60D30-xxx/MB, xxx=435 to 455 in steps of 5;
 JAM54D30-xxx/MB/1500V, JAM54D30-xxx/MB, xxx= 390 to 410 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 550 in steps of 5;
 JAM66D30-xxx/GB/1500V, JAM66D30-xxx/GB, xxx= 495 to 500 in steps of 5;
 JAM60D30-xxx/GB/1500V, JAM60D30-xxx/GB, xxx= 450 to 455 in steps of 5;
 JAM54D30-xxx/GB/1500V, JAM54D30-xxx/GB, xxx= 405 to 410 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;
 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;

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After preparation of the necessary technical documentation as well as the EU declaration of conformity the required CE marking can be affixed on the product. The declaration of conformity is issued under the sole responsibility of the manufacturer. Other relevant EU-directives have to be observed.



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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;
 JAM72S30-xxx/MR/1000V, xxx=510 to 550 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 555 in steps of 5;
 JAM66S30-xxx/GR/1000V, xxx= 500 to 505 in steps of 5;
 JAM60S30-xxx/GR/1000V, xxx= 445 to 460 in steps of 5;
 JAM54S30-xxx/GR/1000V, xxx= 400 to 415 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= 435 to 450 in steps of 5;
 JAM54S31-xxx/GR/1000V, xxx= 395 to 405 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;
 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;
 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;

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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;
 JAM72S30-xxx/MR, xxx=510 to 550 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 555 in steps of 5;
 JAM66S30-xxx/GR, xxx= 500 to 505 in steps of 5;
 JAM60S30-xxx/GR, xxx= 445 to 460 in steps of 5;
 JAM54S30-xxx/GR, xxx= 400 to 415 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;

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;
 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;
 JAM60S10-xxx/BP/1500V, xxx= 320 to 330 in steps of 5.



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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;
 JAM72S30-xxx/MR/1500V, xxx= 510 to 550 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 555 in steps of 5;
 JAM66S30-xxx/GR/1500V, xxx= 500 to 505 in steps of 5;
 JAM60S30-xxx/GR/1500V, xxx= 445 to 460 in steps of 5;
 JAM54S30-xxx/GR/1500V, xxx= 400 to 415 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;
 xxx is standing for rated output power at STC

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 or Class A according to UL790.

Tested according to:

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

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After preparation of the necessary technical documentation as well as the EU declaration of conformity the required CE marking can be affixed on the product. The declaration of conformity is issued under the sole responsibility of the manufacturer. Other relevant EU-directives have to be observed.

CERTIFICATE

TÜV NORD CERT GmbH

herewith declares that

Shanghai JA Solar Technology Co., Ltd.

No. 118, Lane 3111, West Huangcheng Road

Fengxian District, Shanghai, 201401

P.R. China

is authorized to provide the product mentioned below with the mark as illustrated:



Description of product (details see Annex 2):

PV Modules with 6" Mono-crystalline Silicon Solar Cells

PV Modules with 5" Mono-crystalline Silicon Solar Cells

PV Modules with 6" Poly-crystalline Silicon Solar Cells

PV Modules with half-cut 6" Mono-crystalline Silicon Solar Cells

PV Modules with half-cut 7" Mono-crystalline Silicon Solar Cells

PV Modules with half-cut 6" Poly-crystalline Silicon Solar Cells

PV Modules with 1/3-cut 8" Mono-crystalline Silicon Solar Cells

PV Modules with 1/5-cut 8" Mono-crystalline Silicon Solar Cells

Valid until: 2024-05-13

Certification program:

P12-VA-01 Rev. 17 09.20

Certification fundamental(s):

IEC 62716:2013 / EN 62716:2013 + AC:2014.

Registered No.:

44 780 20 406749 - 026R6A3M6

Manufacturer:

see Annex 1

Test Report No.:

492010517.020

File No.:

PVP03068/21P-01



TÜV NORD CERT GmbH
Certification Body
Consumer Products



Essen, 2021-07-29

Please also pay attention to the information stated overleaf.

Manufacturer:

Manufacturer 1: **Shanghai JA Solar Technology Co., Ltd.**
No. 118, Lane 3111, West Huancheng Road, Fengxian District
Shanghai 201401, P.R. China

Factory inspection report no.: 862010153.008

Manufacturer 2: **Hefei JA Solar Technology Co., Ltd.**
No. 999, Chang Ning Road, Hi-tech Zone, Hefei
230088, P.R. China

Factory inspection report no.: 862010241.007

Manufacturer 3: **JA Solar (Xingtai) Co., Ltd.**
No. 1688, Chang An Road, Xingtai Economic Development Area
Xingtai City, Hebei Province, 054001, P.R. China

Factory inspection report no.: 862010290.005

Manufacturer 4: **Vina Solar Technology Co., Ltd.**
E12 factory, lot CN-03, Van Trung Industrial park,
21000 Bac Giang Province, Vietnam

Factory inspection report no.: 862010302.004

Manufacturer 5: **Philadelphia Solar LTD. CO**
Al Qastal Industrial Area, Air freight Road, 11814 Amman, Jordan

Factory inspection report no.: 862010431.002

Manufacturer 6 : **JA Solar New Energy Yangzhou Co., Ltd.**
No.1, Jianhua Road, Economic Development Zone
Yangzhou, Jiangsu Province, 225000, P.R. China

Factory inspection report no.: 862010496.001



TÜV NORD CERT GmbH
Certification Body
Consumer Products

Anlage 1 zum Zertifikat Nr.: / Annex 1 to Certificate No.: **44 780 20 406749 - 026R6A3M6**

Seite / Page **2** von / of **2**

Aktenzeichen: / File reference: **PVP03068/21P-01**

2021-07-29

Manufacturer 7 : **Yiwu JA Solar Technology Co., Ltd.**
165 Tongze Road, Yiting Town, Yiwu City,
Zhejiang Province, 322000, P.R. China.

Factory inspection report no.: 862010513.001

Manufacturer 8 : **JA Solar Viet Nam Company Limited**
Lot G, Quang Chau Industrial Zone, Quang Chau Commune
Viet Yen Dist, 236110 Bac Giang Province, VIETNAM.

Factory inspection report no.: 862010560.001

Remark:

Factory inspection is mandatory to be performed annually. Please refer to factory inspection report for detailed information.



TÜV NORD CERT GmbH
Certification Body
Consumer Products

Description of product(s):**System voltage: 1000V**

Module types:

PV Modules with 6" Mono-crystalline Silicon Solar Cells:

72 cells: JAM6(L)-72-xxx (xxx=295-335, in steps of 5)
72 cells: JAM6-72-xxx/SI (xxx=285-325, in steps of 5)
72 cells: JAM6(R)-72-xxx (xxx=295-340, in steps of 5)
72 cells: JAM6(R)-72-xxx/PR (xxx=330-350, in steps of 5)
72 cells: JAM6-72-xxx/PR (xxx=325-345, in steps of 5)
72 cells: JAM6(L)-72-xxx/PR (xxx=325-345, in steps of 5)
72 cells: JAM6(K)-72-xxx/4BB (xxx=320-345, in steps of 5)
72 cells: JAM6(K)-72-xxx/PR (xxx=325-370, in steps of 5)
72 cells: JAM72S02-xxx/PR (xxx=325-390, in steps of 5)
72 cells: JAM72S01-xxx/PR/1000V (xxx=345-390, in steps of 5)
72 cells: JAM72S01-xxx/SC/1000V (xxx=320-365, in steps of 5)
72 cells: JAM72S01-xxx/MR/1000V (xxx=365-385, in steps of 5)
72 cells: JAM72S09-xxx/PR/1000V (xxx=370-405, in steps of 5)
72 cells: JAM72S09-xxx/BP/1000V (xxx=375-385, in steps of 5)
72 cells: JAM72S02-xxx/PR/1000V (xxx=345-390, in steps of 5)
72 cells: JAM72S02-xxx/SC/1000V (xxx=320-365, in steps of 5)
72 cells: JAM72S02-xxx/MR/1000V (xxx=365-385, in steps of 5)
72 cells: JAM72S12-xxx/PR/1000V (xxx=365-385, in steps of 5)
60 cells: JAM6(L)-60-xxx (xxx=255-280, in steps of 5)
60 cells: JAM6-60-xxx/SI (xxx=235-280, in steps of 5)
60 cells: JAM6(FA)-60-xxx/SI (xxx=255-275, in steps of 5)
60 cells: JAM6(R)(FA)-60-xxx (xxx=260-280, in steps of 5)
60 cells: JAM6(R)-60-xxx (xxx=255-280, in steps of 5)
60 cells: JAM6(R)-60-xxx/PR (xxx=280-300, in steps of 5)
60 cells: JAM6-60-xxx/PR (xxx=275-295, in steps of 5)
60 cells: JAM6(L)-60-xxx/PR (xxx=270-295, in steps of 5)
60 cells: JAM6(K)-60-xxx/4BB (xxx=265-285, in steps of 5)
60 cells: JAM6(K)-60-xxx/PR (xxx=275-310, in steps of 5)
60 cells: JAM60S02-xxx/PR (xxx=280-325, in steps of 5)
60 cells: JAM60S01-xxx/PR/1000V (xxx=285-325, in steps of 5)
60 cells: JAM60S01-xxx/SC/1000V (xxx=265-305, in steps of 5)
60 cells: JAM60S01-xxx/MR/1000V (xxx=305-320, in steps of 5)
60 cells: JAM60S09-xxx/PR/1000V (xxx=310-335, in steps of 5)
60 cells: JAM60S09-xxx/BP/1000V (xxx=315-320, in steps of 5)
60 cells: JAM60S02-xxx/PR/1000V (xxx=285-325, in steps of 5)



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60 cells: JAM60S02-xxx/SC/1000V (xxx=265-305, in steps of 5)
60 cells: JAM60S02-xxx/MR/1000V (xxx=305-320, in steps of 5)
60 cells: JAM60S12-xxx/PR/1000V (xxx=305-330, in steps of 5)
48 cells: JAM6(FA)-48-xxx/SI (xxx=205-220, in steps of 5)
48 cells: JAM6(R)(FA)-48-xxx (xxx=210-225, in steps of 5)
48 cells: JAM6(R)-48-xxx/PR (xxx=220-235, in steps of 5)
48 cells: JAM6-48-xxx/PR (xxx=215-235, in steps of 5)
48 cells: JAM6(L)-48-xxx/PR (xxx=215-235, in steps of 5)
48 cells: JAM6(K)-48xxx/4BB (xxx=210-225, in steps of 5)
48 cells: JAM6(K)-48-xxx/PR (xxx=220-235, in steps of 5)

Maximum system voltage: 1000V
Fuse rating: 20A
Application class: Class A
Electrical protection class: Class II

Module types:

PV Modules with 6" Mono-crystalline Silicon Solar Cells:

72 cells: JAM72S09-xxx/PR/1000V (xxx=370-405, in steps of 5)
72 cells: JAM72S12-xxx/PR/1000V (xxx=365-385, in steps of 5)
60 cells: JAM60S09-xxx/PR/1000V (xxx=310-335, in steps of 5)
60 cells: JAM60S12-xxx/PR/1000V (xxx=305-330, in steps of 5)

Maximum system voltage: 1000V
Fuse rating: 20A
Application class: Class A
Electrical protection class: Class II

Module types:

PV Modules with 5" Mono-crystalline Silicon Solar Cells:

72 cells: JAM5-72-xxx/SI (xxx=180-210, in steps of 5)
72 cells: JAM5(L)-72-xxx/SI (xxx=180-220, in steps of 5)
72 cells: JAM5(R)-72-xxx (xxx=195-220, in steps of 5)

Maximum system voltage: 1000V
Fuse rating: 10A
Application class: Class A
Electrical protection class: Class II

Module types:

PV Modules with half-cut 6" Mono-crystalline Silicon Solar Cells:

72 cells: JAM72S03-xxx/PR/1000V (xxx=360-395, in steps of 5)
72 cells: JAM72S10-xxx/PR/1000V (xxx=380-410, in steps of 5)



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72 cells: JAM72S10-xxx/BP/1000V (xxx=385-400, in steps of 5)
 72 cells: JAM72S10-xxx/MR/1000V (xxx=390-420, in steps of 5)
 72 cells: JAM72S10-xxx/MB/1000V (xxx=395-415, in steps of 5)
 72 cells: JAM72S08-xxx/PR/1000V (xxx=360-395, in steps of 5)
 72 cells: JAM72S17-xxx/PR/1000V (xxx=380-390, in steps of 5)
 72 cells: JAM72S17-xxx/MR/1000V (xxx=390-395, in steps of 5)
 60 cells: JAM60S03-xxx/PR/1000V (xxx=300-330, in steps of 5)
 60 cells: JAM60S10-xxx/PR/1000V (xxx=315-345, in steps of 5)
 60 cells: JAM60S10-xxx/BP/1000V (xxx=320-330, in steps of 5)
 60 cells: JAM60S10-xxx/MR/1000V (xxx=325-345, in steps of 5)
 60 cells: JAM60S10-xxx/MB/1000V (xxx=330-345, in steps of 5)
 60 cells: JAM60S20-xxx/MR/1000V (xxx=355-390, in steps of 5)
 60 cells: JAM60S21-xxx/MR/1000V (xxx=355-375, in steps of 5)
 60 cells: JAM60S08-xxx/PR/1000V (xxx=300-330, in steps of 5)
 60 cells: JAM60S17-xxx/PR/1000V (xxx=315-325, in steps of 5)
 60 cells: JAM60S17-xxx/MR/1000V (xxx=315-335, in steps of 5)
 78 cells: JAM78S10-xxx/MR/1000V (xxx=435-465, in steps of 5)
 66 cells: JAM66S10-xxx/MR/1000V (xxx=345-390, in steps of 5)

Maximum system voltage: 1000V
 Fuse rating: 20A
 Application class: Class A
 Electrical protection class: Class II

Module types: **PV Modules with half-cut 6" Mono-crystalline Silicon Solar Cells:**

72 cells: JAM72S10-xxx/PR/1000V (xxx=380-410, in steps of 5)
 72 cells: JAM72S20-xxx/MR/1000V (xxx=430-470, in steps of 5)
 72 cells: JAM72S17-xxx/PR/1000V (xxx=380-390, in steps of 5)
 72 cells: JAM72S20-xxx/MB/1000V (xxx=450-465, in steps of 5)
 60 cells: JAM60S20-xxx/MR/1000V (xxx=355-390, in steps of 5)
 60 cells: JAM60S21-xxx/MR/1000V (xxx=355-375, in steps of 5)
 60 cells: JAM60S10-xxx/PR/1000V (xxx=315-345, in steps of 5)
 60 cells: JAM60S17-xxx/PR/1000V (xxx=315-325, in steps of 5)
 60 cells: JAM60S20-xxx/MB/1000V (xxx=375-390, in steps of 5)

Maximum system voltage: 1000V
 Fuse rating: 25A
 Application class: Class A
 Electrical protection class: Class II



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Module types:

PV Modules with half-cut 7" Mono-crystalline Silicon Solar Cells:

60 cells: JAM60S30-xxx/MR/1000V (xxx=435-460, in steps of 5)
66 cells: JAM66S30-xxx/MR/1000V (xxx=470-505, in steps of 5)
72 cells: JAM72S30-xxx/MR/1000V (xxx=510-550, in steps of 5)
54 cells: JAM54S30-xxx/MR/1000V (xxx=390-415, in steps of 5)
78 cells: JAM78S30-xxx/GR/1000V (xxx=575-600, in steps of 5)
72 cells: JAM72S30-xxx/GR/1000V (xxx=535-555, in steps of 5)
66 cells: JAM66S30-xxx/GR/1000V (xxx=500-505, in steps of 5)
60 cells: JAM60S30-xxx/GR/1000V (xxx=445-460, in steps of 5)
54 cells: JAM54S30-xxx/GR/1000V (xxx=400-415, in steps of 5)
72 cells: JAM72S31-xxx/MR/1000V (xxx=510-545, in steps of 5)
66 cells: JAM66S31-xxx/MR/1000V (xxx=470-500, in steps of 5)
60 cells: JAM60S31-xxx/MR/1000V (xxx=425-450, in steps of 5)
54 cells: JAM54S31-xxx/MR/1000V (xxx=385-405, in steps of 5)
78 cells: JAM78S31-xxx/GR/1000V (xxx=570-590, in steps of 5)
72 cells: JAM72S31-xxx/GR/1000V (xxx=525-545, in steps of 5)
66 cells: JAM66S31-xxx/GR/1000V (xxx=480-500, in steps of 5)
60 cells: JAM60S31-xxx/GR/1000V (xxx=435-450, in steps of 5)
54 cells: JAM54S31-xxx/GR/1000V (xxx=395-405, in steps of 5)

Maximum system voltage:

1000V

Fuse rating:

25A

Application class:

Class A

Electrical protection class:

Class II

Module types:

PV Modules with 1/3-cut 8" Mono-crystalline Silicon Solar Cells:

50 cells: JAM50S40-xxx/MR/1000V (xxx=490-500, in steps of 5)

Maximum system voltage:

1000V

Fuse rating:

25A

Application class:

Class A

Electrical protection class:

Class II



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Module types:

PV Modules with 6" Poly-crystalline Silicon Solar Cells:

72 cells: JAP6-72-xxx/3BB (xxx=250-330, in steps of 5)
72 cells: JAP6-72-xxx/4BB (xxx=305-330, in steps of 5)
72 cells: JAP6-72-xxx/RE (xxx=305-330, in steps of 5)
72 cells: JAP6-72-xxx/4BB/RE (xxx=305-330, in steps of 5)
72 cells: JAP6(K)-72-xxx/4BB (xxx=310-330, in steps of 5)
72 cells: JAP72S01-xxx/SC/1000V (xxx=310-345, in steps of 5)
72 cells: JAP72S01-xxx/PR/1000V (xxx=330-345, in steps of 5)
72 cells: JAP72S09-xxx/SC/1000V (xxx=320-345, in steps of 5)
72 cells: JAP72S01-xxx/MS/1000V (xxx=325-340, in steps of 5)
72 cells: JAP72S02-xxx/SC/1000V (xxx=310-345, in steps of 5)
72 cells: JAP72S02-xxx/PR/1000V (xxx=330-345, in steps of 5)
60 cells: JAP6-60-xxx/3BB (xxx=240-275, in steps of 5)
60 cells: JAP6(FA)-60-xxx/3BB (xxx=250-270, in steps of 5)
60 cells: JAP6-60-xxx/4BB (xxx=250-275, in steps of 5)
60 cells: JAP6-60-xxx/RE (xxx=255-280, in steps of 5)
60 cells: JAP6-60-xxx/4BB/RE (xxx=255-280, in steps of 5)
60 cells: JAP6(K)-60-xxx/4BB (xxx=255-275, in steps of 5)
60 cells: JAP60S01-xxx/SC/1000V (xxx=255-290, in steps of 5)
60 cells: JAP60S01-xxx/PR/1000V (xxx=275-285, in steps of 5)
60 cells: JAP60S09-xxx/SC/1000V (xxx=265-290, in steps of 5)
60 cells: JAP60S01-xxx/MS/1000V (xxx=270-280, in steps of 5)
60 cells: JAP60S02-xxx/SC/1000V (xxx=255-290, in steps of 5)
60 cells: JAP60S02-xxx/PR/1000V (xxx=275-285, in steps of 5)
54 cells: JAP54S01-xxx/SC (xxx=245-255, in steps of 5)
48 cells: JAP6(FA)-48-xxx/3BB (xxx=200-220, in steps of 5)
48 cells: JAP6-48-xxx/3BB (xxx=200-220, in steps of 5)

Maximum system voltage: 1000V
Fuse rating: 20A
Application class: Class A
Electrical protection class: Class II



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Module types:

PV Modules with half-cut 6" Poly-crystalline Silicon Solar Cells:

72 cells: JAP72S03-xxx/SC/1000V (xxx=320-345, in steps of 5)
72 cells: JAP72S03-xxx/PR/1000V (xxx=335-355, in steps of 5)
72 cells: JAP72S10-xxx/SC/1000V (xxx=335-350, in steps of 5)
72 cells: JAP72S03-xxx/MS/1000V (xxx=320-345, in steps of 5)
72 cells: JAP72S08-xxx/SC/1000V (xxx=320-345, in steps of 5)
72 cells: JAP72S08-xxx/PR/1000V (xxx=335-355, in steps of 5)
60 cells: JAP60S03-xxx/SC/1000V (xxx=270-290, in steps of 5)
60 cells: JAP60S03-xxx/PR/1000V (xxx=280-295, in steps of 5)
60 cells: JAP60S10-xxx/SC/1000V (xxx=275-290, in steps of 5)
60 cells: JAP60S03-xxx/MS/1000V (xxx=270-285, in steps of 5)
60 cells: JAP60S08-xxx/SC/1000V (xxx=270-290, in steps of 5)
60 cells: JAP60S08-xxx/PR/1000V (xxx=280-295, in steps of 5)

Maximum system voltage:

1000V

Fuse rating:

20A

Application class:

Class A

Electrical protection class:

Class II

Module types:

PV Modules with 1/5-cut 8" Mono-crystalline Silicon Solar Cells:

76 cells: JAM76S11-xxx/PR(B)/1000V (xxx=395-415, in steps of 5)

Maximum system voltage:

1000V

Fuse rating:

25A

Application class:

Class A

Electrical protection class:

Class II



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System voltage: 1500V

Module types:

PV Modules with 6" Mono-crystalline Silicon Solar Cells:

72 cells: JAM6(K)-72-xxx/PR/1500V (xxx=345-370, in steps of 5)
72 cells: JAM6(K)-72-xxx/4BB/1500V (xxx=320-345, in steps of 5)
72 cells: JAM72S01-xxx/PR (xxx=345-390, in steps of 5)
72 cells: JAM72S01-xxx/SC/1500V (xxx=320-365, in steps of 5)
72 cells: JAM72S01-xxx/MR/1500V (xxx=365-385, in steps of 5)
72 cells: JAM72S09-xxx/PR/1500V (xxx=370-405, in steps of 5)
72 cells: JAM72S09-xxx/BP/1500V (xxx=375-385, in steps of 5)
72 cells: JAM72S02-xxx/PR/1500V (xxx=345-390, in steps of 5)
72 cells: JAM72S02-xxx/SC/1500V (xxx=320-365, in steps of 5)
72 cells: JAM72S02-xxx/MR/1500V (xxx=365-385, in steps of 5)
72 cells: JAM72S12-xxx/PR/1500V (xxx=365-385, in steps of 5)
60 cells: JAM6(K)-60-xxx/PR/1500V (xxx=285-310, in steps of 5)
60 cells: JAM6(K)-60-xxx/4BB/1500V (xxx=265-285, in steps of 5)
60 cells: JAM60S01-xxx/PR/1500V (xxx=285-325, in steps of 5)
60 cells: JAM60S01-xxx/SC/1500V (xxx=265-305, in steps of 5)
60 cells: JAM60S01-xxx/MR/1500V (xxx=305-320, in steps of 5)
60 cells: JAM60S09-xxx/PR/1500V (xxx=310-335, in steps of 5)
60 cells: JAM60S09-xxx/BP/1500V (xxx=315-320, in steps of 5)
60 cells: JAM60S02-xxx/PR/1500V (xxx=285-325, in steps of 5)
60 cells: JAM60S02-xxx/SC/1500V (xxx=265-305, in steps of 5)
60 cells: JAM60S02-xxx/MR/1500V (xxx=305-320, in steps of 5)
60 cells: JAM60S12-xxx/PR/1500V (xxx=305-330, in steps of 5)

Maximum system voltage: 1500V
Fuse rating: 20A
Application class: Class A
Electrical protection class: Class II

Module types:

PV Modules with 6" Mono-crystalline Silicon Solar Cells:

72 cells: JAM72S09-xxx/PR/1500V (xxx=370-405, in steps of 5)
72 cells: JAM72S12-xxx/PR/1500V (xxx=365-385, in steps of 5)
60 cells: JAM60S09-xxx/PR/1500V (xxx=310-335, in steps of 5)
60 cells: JAM60S12-xxx/PR/1500V (xxx=305-330, in steps of 5)

Maximum system voltage: 1500V
Fuse rating: 25A
Application class: Class A



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Electrical protection class: Class II

Module types:

PV Modules with half-cut 6" Mono-crystalline Silicon Solar Cells:

72 cells: JAM72S03-xxx/PR/1500V (xxx=360-395, in steps of 5)
72 cells: JAM72S10-xxx/PR/1500V (xxx=380-410, in steps of 5)
72 cells: JAM72S10-xxx/BP/1500V (xxx=385-400, in steps of 5)
72 cells: JAM72S10-xxx/MR/1500V (xxx=390-420, in steps of 5)
72 cells: JAM72S10-xxx/MB/1500V (xxx=395-415, in steps of 5)
72 cells: JAM72S20-xxx/MR/1500V (xxx=430-470, in steps of 5)
72 cells: JAM72S08-xxx/PR/1500V (xxx=360-395, in steps of 5)
72 cells: JAM72S17-xxx/PR/1500V (xxx=380-390, in steps of 5)
72 cells: JAM72S17-xxx/MR/1500V (xxx=390-395, in steps of 5)
60 cells: JAM60S03-xxx/PR/1500V (xxx=300-330, in steps of 5)
60 cells: JAM60S10-xxx/PR/1500V (xxx=315-345, in steps of 5)
60 cells: JAM60S10-xxx/BP/1500V (xxx=320-330, in steps of 5)
60 cells: JAM60S10-xxx/MR/1500V (xxx=325-345, in steps of 5)
60 cells: JAM60S10-xxx/MB/1500V (xxx=330-345, in steps of 5)
60 cells: JAM60S20-xxx/MR/1500V (xxx=355-390, in steps of 5)
60 cells: JAM60S21-xxx/MR/1500V (xxx=355-375, in steps of 5)
60 cells: JAM60S08-xxx/PR/1500V (xxx=300-330, in steps of 5)
60 cells: JAM60S17-xxx/PR/1500V (xxx=315-325, in steps of 5)
60 cells: JAM60S17-xxx/MR/1500V (xxx=315-335, in steps of 5)
78 cells: JAM78S10-xxx/MR/1500V (xxx=435-465, in steps of 5)
66 cells: JAM66S10-xxx/MR/1500V (xxx=345-390, in steps of 5)

Maximum system voltage: 1500V

Fuse rating: 20A

Application class: Class A

Electrical protection class: Class II



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Module types:	PV Modules with half-cut 6" Mono-crystalline Silicon Solar Cells: 72 cells: JAM72S10-xxx/PR/1500V (xxx=380-410, in steps of 5) 72 cells: JAM72S20-xxx/MR/1500V (xxx=430-470, in steps of 5) 72 cells: JAM72S17-xxx/PR/1500V (xxx=380-390, in steps of 5) 72 cells: JAM72S20-xxx/MB/1500V (xxx=450-465, in steps of 5) 60 cells: JAM60S20-xxx/MR/1500V (xxx=355-390, in steps of 5) 60 cells: JAM60S21-xxx/MR/1500V (xxx=355-375, in steps of 5) 60 cells: JAM60S10-xxx/PR/1500V (xxx=315-345, in steps of 5) 60 cells: JAM60S17-xxx/PR/1500V (xxx=315-325, in steps of 5) 60 cells: JAM60S20-xxx/MB/1500V (xxx=375-390, in steps of 5)
Maximum system voltage:	1500V
Fuse rating:	25A
Application class:	Class A
Electrical protection class:	Class II

Module types:	PV Modules with half-cut 7" Mono-crystalline Silicon Solar Cells: 72 cells: JAM72S30-xxx/MR/1500V (xxx=510-550, in steps of 5) 66 cells: JAM66S30-xxx/MR/1500V (xxx=470-505, in steps of 5) 60 cells: JAM60S30-xxx/MR/1500V (xxx=435-460, in steps of 5) 54 cells: JAM54S30-xxx/MR/1500V (xxx=390-415, in steps of 5) 78 cells: JAM78S30-xxx/GR/1500V (xxx=575-600, in steps of 5) 72 cells: JAM72S30-xxx/GR/1500V (xxx=535-555, in steps of 5) 66 cells: JAM66S30-xxx/GR/1500V (xxx=500-505, in steps of 5) 60 cells: JAM60S30-xxx/GR/1500V (xxx=445-460, in steps of 5) 54 cells: JAM54S30-xxx/GR/1500V (xxx=400-415, in steps of 5) 72 cells: JAM72S31-xxx/MR/1500V (xxx=510-545, in steps of 5) 66 cells: JAM66S31-xxx/MR/1500V (xxx=470-500, in steps of 5) 60 cells: JAM60S31-xxx/MR/1500V (xxx=425-450, in steps of 5) 54 cells: JAM54S31-xxx/MR/1500V (xxx=385-405, in steps of 5) 78 cells: JAM78S31-xxx/GR/1500V (xxx=575-590, in steps of 5) 72 cells: JAM72S31-xxx/GR/1500V (xxx=525-545, in steps of 5) 66 cells: JAM66S31-xxx/GR/1500V (xxx=480-500, in steps of 5) 60 cells: JAM60S31-xxx/GR/1500V (xxx=435-450, in steps of 5) 54 cells: JAM54S31-xxx/GR/1500V (xxx=395-405, in steps of 5)
Maximum system voltage:	1500V
Fuse rating:	25A
Application class:	Class A



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Consumer Products

Electrical protection class: Class II

Module types: **PV Modules with 1/3-cut 8" Mono-crystalline Silicon Solar Cells:**

50 cells: JAM50S40-xxx/MR/1500V (xxx=490-500, in steps of 5)

Maximum system voltage: 1500V

Fuse rating: 25A

Application class: Class A

Electrical protection class: Class II

Module types: **PV Modules with 1/5-cut 8" Mono-crystalline Silicon Solar Cells:**

76 cells: JAM76S11-xxx/PR(B)/1500V (xxx=395-415, in steps of 5)

Maximum system voltage: 1500V

Fuse rating: 25A

Application class: Class A

Electrical protection class: Class II

Module types: **PV Modules with 6" Poly-crystalline Silicon Solar Cells:**

72 cells: JAP6(K)-72-xxx/4BB/1500V (xxx=310-330, in steps of 5)

72 cells: JAP72S01-xxx/SC/1500V (xxx=310-345, in steps of 5)

72 cells: JAP72S01-xxx/PR/1500V (xxx=330-345, in steps of 5)

72 cells: JAP72S09-xxx/SC/1500V (xxx=320-345, in steps of 5)

72 cells: JAP72S01-xxx/MS/1500V (xxx=325-340, in steps of 5)

72 cells: JAP72S02-xxx/SC/1500V (xxx=310-345, in steps of 5)

72 cells: JAP72S02-xxx/PR/1500V (xxx=330-345, in steps of 5)

60 cells: JAP6(K)-60-xxx/4BB/1500V (xxx=255-275, in steps of 5)

60 cells: JAP60S01-xxx/SC/1500V (xxx=255-290, in steps of 5)

60 cells: JAP60S01-xxx/PR/1500V (xxx=275-285, in steps of 5)

60 cells: JAP60S09-xxx/SC/1500V (xxx=265-290, in steps of 5)

60 cells: JAP60S01-xxx/MS/1500V (xxx=270-280, in steps of 5)

60 cells: JAP60S02-xxx/SC/1500V (xxx=255-290, in steps of 5)

60 cells: JAP60S02-xxx/PR/1500V (xxx=275-285, in steps of 5)

Maximum system voltage: 1500V

Fuse rating: 20A

Application class: Class A

Electrical protection class: Class II



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Module types:

PV Modules with half-cut 6" Poly-crystalline Silicon Solar Cells:

72 cells: JAP72S03-xxx/SC/1500V (xxx=320-345, in steps of 5)

72 cells: JAP72S03-xxx/PR/1500V (xxx=335-355, in steps of 5)

72 cells: JAP72S10-xxx/SC/1500V (xxx=335-350, in steps of 5)

72 cells: JAP72S03-xxx/MS/1500V (xxx=320-345, in steps of 5)

72 cells: JAP72S08-xxx/SC/1500V (xxx=320-345, in steps of 5)

72 cells: JAP72S08-xxx/PR/1500V (xxx=335-355, in steps of 5)

60 cells: JAP60S03-xxx/SC/1500V (xxx=270-290, in steps of 5)

60 cells: JAP60S03-xxx/PR/1500V (xxx=280-295, in steps of 5)

60 cells: JAP60S10-xxx/SC/1500V (xxx=275-290, in steps of 5)

60 cells: JAP60S03-xxx/MS/1500V (xxx=270-285, in steps of 5)

60 cells: JAP60S08-xxx/SC/1500V (xxx=270-290, in steps of 5)

60 cells: JAP60S08-xxx/PR/1500V (xxx=280-295, in steps of 5)

Maximum system voltage:

1500V

Fuse rating:

20A

Application class:

Class A

Electrical protection class:

Class II

System voltage: 1000V or 1500V

Module types:

PV Modules with 6" Mono-crystalline Silicon Solar Cells:

72 cells: JAM72S01-xxx/SC (xxx=320-365, in steps of 5)
 72 cells: JAM72S02-xxx/SC (xxx=320-365, in steps of 5)
 72 cells: JAM72S02-xxx/PR (xxx=345-390, in steps of 5)
 72 cells: JAM72S01-xxx/MR (xxx=365-385, in steps of 5)
 72 cells: JAM72S02-xxx/MR (xxx=365-385, in steps of 5)
 72 cells: JAM72S09-xxx/PR (xxx=370-405, in steps of 5)
 72 cells: JAM72S12-xxx/PR (xxx=365-385, in steps of 5)
 72 cells: JAM72S09-xxx/BP (xxx=375-385, in steps of 5)
 60 cells: JAM60S01-xxx/SC (xxx=265-305, in steps of 5)
 60 cells: JAM60S02-xxx/SC (xxx=265-305, in steps of 5)
 60 cells: JAM60S01-xxx/PR (xxx=285-325, in steps of 5)
 60 cells: JAM60S02-xxx/PR (xxx=285-325, in steps of 5)
 60 cells: JAM60S01-xxx/MR (xxx=305-320, in steps of 5)
 60 cells: JAM60S02-xxx/MR (xxx=305-320, in steps of 5)
 60 cells: JAM60S09-xxx/PR (xxx=310-335, in steps of 5)
 60 cells: JAM60S12-xxx/PR (xxx=305-330, in steps of 5)
 60 cells: JAM60S09-xxx/BP (xxx=315-320, in steps of 5)

Maximum system voltage:

1000V or 1500V

Fuse rating:

20A

Application class:

Class A

Electrical protection class:

Class II

Module types:

PV Modules with 6" Mono-crystalline Silicon Solar Cells:

72 cells: JAM72S09-xxx/PR (xxx=370-405, in steps of 5)
 72 cells: JAM72S12-xxx/PR (xxx=365-385, in steps of 5)
 60 cells: JAM60S09-xxx/PR (xxx=310-335, in steps of 5)
 60 cells: JAM60S12-xxx/PR (xxx=305-330, in steps of 5)

Maximum system voltage:

1000V or 1500V

Fuse rating:

25A

Application class:

Class A

Electrical protection class:

Class II



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Module types:

PV Modules with half-cut 6" Mono-crystalline Silicon Solar Cells:

72 cells: JAM72S03-xxx/PR (xxx=360-395, in steps of 5)
72 cells: JAM72S10-xxx/PR (xxx=380-410, in steps of 5)
72 cells: JAM72S17-xxx/PR (xxx=380-390, in steps of 5)
72 cells: JAM72S10-xxx/MR (xxx=390-420, in steps of 5)
72 cells: JAM72S17-xxx/MR (xxx=390-395, in steps of 5)
72 cells: JAM72S10-xxx/BP (xxx=385-400, in steps of 5)
72 cells: JAM72S10-xxx/MB (xxx=395-415, in steps of 5)
72 cells: JAM72S20-xxx/MR (xxx=430-470, in steps of 5)
72 cells: JAM72S08-xxx/PR (xxx=360-395, in steps of 5)
72 cells: JAM72S20-xxx/MB (xxx=450-465, in steps of 5)
60 cells: JAM60S03-xxx/PR (xxx=300-330, in steps of 5)
60 cells: JAM60S08-xxx/PR (xxx=300-330, in steps of 5)
60 cells: JAM60S10-xxx/PR (xxx=315-345, in steps of 5)
60 cells: JAM60S10-xxx/MR (xxx=325-345, in steps of 5)
60 cells: JAM60S10-xxx/BP (xxx=320-330, in steps of 5)
60 cells: JAM60S10-xxx/MB (xxx=330-345, in steps of 5)
60 cells: JAM60S17-xxx/PR (xxx=315-325, in steps of 5)
60 cells: JAM60S17-xxx/MR (xxx=315-335, in steps of 5)
60 cells: JAM60S20-xxx/MR (xxx=355-390, in steps of 5)
60 cells: JAM60S21-xxx/MR (xxx=355-375, in steps of 5)
60 cells: JAM60S20-xxx/MB (xxx=375-390, in steps of 5)
78 cells: JAM78S10-xxx/MR (xxx=435-465, in steps of 5)
78 cells: JAM78S10-xxx/MR-J (xxx=435-465, in steps of 5)
66 cells: JAM66S10-xxx/MR (xxx=345-390, in steps of 5)

Maximum system voltage:

1000V or 1500V

Fuse rating:

20A

Application class:

Class A

Electrical protection class:

Class II



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Certification Body
Consumer Products

Module types:	PV Modules with half-cut 6" Mono-crystalline Silicon Solar Cells: 72 cells: JAM72S10-xxx/PR (xxx=380-410, in steps of 5) 72 cells: JAM72S20-xxx/MR (xxx=430-470, in steps of 5) 72 cells: JAM72S17-xxx/PR (xxx=380-390, in steps of 5) 72 cells: JAM72S20-xxx/MB (xxx=450-465, in steps of 5) 60 cells: JAM60S20-xxx/MR (xxx=355-390, in steps of 5) 60 cells: JAM60S21-xxx/MR (xxx=355-375, in steps of 5) 60 cells: JAM60S10-xxx/PR (xxx=315-345, in steps of 5) 60 cells: JAM60S17-xxx/PR (xxx=315-325, in steps of 5) 60 cells: JAM60S20-xxx/MB (xxx=375-390, in steps of 5)
Maximum system voltage:	1000V or 1500V
Fuse rating:	25A
Application class:	Class A
Electrical protection class:	Class II

Module types:	PV Modules with half-cut 7" Mono-crystalline Silicon Solar Cells: 72 cells: JAM72S30-xxx/MR (xxx=510-550, in steps of 5) 66 cells: JAM66S30-xxx/MR (xxx=470-505, in steps of 5) 60 cells: JAM60S30-xxx/MR (xxx=435-460, in steps of 5) 54 cells: JAM54S30-xxx/MR (xxx=390-415, in steps of 5) 78 cells: JAM78S30-xxx/GR (xxx=575-600, in steps of 5) 72 cells: JAM72S30-xxx/GR (xxx=535-555, in steps of 5) 66 cells: JAM66S30-xxx/GR (xxx=500-505, in steps of 5) 60 cells: JAM60S30-xxx/GR (xxx=445-460, in steps of 5) 54 cells: JAM54S30-xxx/GR (xxx=400-415, in steps of 5) 72 cells: JAM72S31-xxx/MR (xxx=510-545, in steps of 5) 66 cells: JAM66S31-xxx/MR (xxx=470-500, in steps of 5) 60 cells: JAM60S31-xxx/MR (xxx=425-450, in steps of 5) 54 cells: JAM54S31-xxx/MR (xxx=385-405, in steps of 5) 78 cells: JAM78S31-xxx/GR (xxx=575-590, in steps of 5) 72 cells: JAM72S31-xxx/GR (xxx=525-545, in steps of 5) 66 cells: JAM66S31-xxx/GR (xxx=480-500, in steps of 5) 60 cells: JAM60S31-xxx/GR (xxx=435-450, in steps of 5) 54 cells: JAM54S31-xxx/GR (xxx=395-405, in steps of 5)
Maximum system voltage:	1000V or 1500V
Fuse rating:	25A
Application class:	Class A



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Electrical protection class: Class II

Module types: **PV Modules with 1/3-cut 8" Mono-crystalline Silicon Solar Cells:**

50 cells: JAM50S40-xxx/MR (xxx=490-500, in steps of 5)

Maximum system voltage: 1000V or 1500V

Fuse rating: 25A

Application class: Class A

Electrical protection class: Class II

Module types: **PV Modules with 6" Poly-crystalline Silicon Solar Cells:**

72 cells: JAP72S01-xxx/SC (xxx=310-345, in steps of 5)

72 cells: JAP72S02-xxx/SC (xxx=310-345, in steps of 5)

72 cells: JAP72S01-xxx/PR (xxx=330-345, in steps of 5)

72 cells: JAP72S02-xxx/PR (xxx=330-345, in steps of 5)

72 cells: JAP72S09-xxx/SC (xxx=320-345, in steps of 5)

72 cells: JAP72S01-xxx/MS (xxx=325-340, in steps of 5)

60 cells: JAP60S01-xxx/SC (xxx=255-290, in steps of 5)

60 cells: JAP60S02-xxx/SC (xxx=255-290, in steps of 5)

60 cells: JAP60S01-xxx/PR (xxx=275-285, in steps of 5)

60 cells: JAP60S02-xxx/PR (xxx=275-285, in steps of 5)

60 cells: JAP60S09-xxx/SC (xxx=265-290, in steps of 5)

60 cells: JAP60S01-xxx/MS (xxx=270-280, in steps of 5)

54 cells: JAP54S01-xxx/SC (xxx=245-255, in steps of 5)

Maximum system voltage: 1000V or 1500V

Fuse rating: 20A

Application class: Class A

Electrical protection class: Class II



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Module types: **PV Modules with 1/5-cut 8" Mono-crystalline Silicon Solar Cells:**
68 cells: JAM68S11-xxx/PR (xxx=355-365, in steps of 5)
68 cells: JAM68S11-xxx/PR(B) (xxx=345-365, in steps of 5)
76 cells: JAM76S11-xxx/PR(B) (xxx=395-415, in steps of 5)

Maximum system voltage: 1000V or 1500V

Fuse rating: 25A

Application class: Class A

Electrical protection class: Class II

Module types: **PV Modules with half-cut 6" Poly-crystalline Silicon Solar Cells:**
72 cells: JAP72S03-xxx/PR (xxx=335-355, in steps of 5)
72 cells: JAP72S03-xxx/SC (xxx=320-345, in steps of 5)
72 cells: JAP72S10-xxx/SC (xxx=335-350, in steps of 5)
72 cells: JAP72S03-xxx/MS (xxx=320-345, in steps of 5)
72 cells: JAP72S08-xxx/SC (xxx=320-345, in steps of 5)
72 cells: JAP72S08-xxx/PR (xxx=335-355, in steps of 5)
60 cells: JAP60S03-xxx/PR (xxx=280-295, in steps of 5)
60 cells: JAP60S03-xxx/SC (xxx=270-290, in steps of 5)
60 cells: JAP60S10-xxx/SC (xxx=275-290, in steps of 5)
60 cells: JAP60S03-xxx/MS (xxx=270-285, in steps of 5)
60 cells: JAP60S08-xxx/SC (xxx=270-290, in steps of 5)
60 cells: JAP60S08-xxx/PR (xxx=280-295, in steps of 5)

Maximum system voltage: 1000V or 1500V

Fuse rating: 20A

Application class: Class A

Electrical protection class: Class II

Remark:

For detailed product information, please refer to CDF (Constructional Data Form) in Annex 1 of test report.



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CERTIFICATE

TÜV NORD CERT GmbH

herewith declares that

Shanghai JA Solar Technology Co., Ltd.

No. 118, Lane 3111, West Huangcheng Road
Fengxian District, Shanghai, 201401
P.R. China

is authorized to provide the product mentioned below with the mark as illustrated:

Description of product (details see Annex 2):

PV Modules with 5" Mono-crystalline Silicon Solar Cells
PV Modules with 6" Mono-crystalline Silicon Solar Cells
PV Modules with half-cut 6" Mono-crystalline Silicon Solar Cells
PV Modules with half-cut 7" Mono-crystalline Silicon Solar Cells
PV Modules with 6" Poly-crystalline Silicon Solar Cells
PV Modules with half-cut 6" Poly-crystalline Silicon Solar Cells
PV Modules with 1/3-cut 8" Mono-crystalline Silicon Solar Cells
PV Modules with 1/5-cut 8" Mono-crystalline Silicon Solar Cells



Valid from: 2021-07-29

Valid until: 2026-04-15

Certification program:	P12-VA-01 Rev. 17 09.20
Certification fundamental(s):	P12.4-AA-08 Rev. 01 (IEC 61701:2020 modified)
Remark:	Test Method 6
	Test duration: 1344 hours
Registered No.:	44 780 21 406749 - 051R1A1M1
Manufacturer:	see Annex 1
Test Report No.:	492011627.002
File No.:	PVP03068/21P-02



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Essen, 2021-07-29

Please also pay attention to the information stated overleaf.

Manufacturer:

Manufacturer 1:	Shanghai JA Solar Technology Co., Ltd. No. 118, Lane 3111, West Huancheng Road, Fengxian District Shanghai 201401, P.R. China
Factory inspection report no.:	862010153.008
Manufacturer 2:	Hefei JA Solar Technology Co., Ltd. No. 999, Chang Ning Road, Hi-tech Zone, Hefei 230088, P.R. China
Factory inspection report no.:	862010241.007
Manufacturer 3:	JA Solar (Xingtai) Co., Ltd. No. 1688, Chang An Road, Xingtai Economic Development Area Xingtai City, Hebei Province, 054001, P.R. China
Factory inspection report no.:	862010290.005
Manufacturer 4:	Vina Solar Technology Co., Ltd. E12 factory, lot CN-03, Van Trung Industrial park 21000 Bac Giang Province, Vietnam
Factory inspection report no.:	862010302.004
Manufacturer 5:	Philadelphia Solar LTD. CO Al Qastal Industrial Area, Air freight Road, 11814 Amman, Jordan
Factory inspection report no.:	862010431.002
Manufacturer 6:	JA Solar New Energy Yangzhou Co., Ltd. No.1, Jianhua Road, Economic Development Zone Yangzhou, Jiangsu Province, 225000, P.R. China
Factory inspection report no.:	862010496.001



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Anlage 1 zum Zertifikat Nr.: / Annex 1 to Certificate No.: 44 780 21 406749 - 051R1A1M1

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Aktenzeichen: / File reference: PVP03068/21P-02

2021-07-29

Manufacturer 7 : **Yiwu JA Solar Technology Co., Ltd.**
165 Tongze Road, Yiting Town, Yiwu City,
Zhejiang Province, 322000, P.R. China.

Factory inspection report no.: 862010513.001

Manufacturer 8 : **JA Solar Viet Nam Company Limited**
Lot G, Quang Chau Industrial Zone, Quang Chau Commune
Viet Yen Dist, 236110 Bac Giang Province, VIETNAM.

Factory inspection report no.: 862010560.001

Remark:

Factory inspection is mandatory to be performed annually. Please refer to factory inspection report for detailed information.



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Description of product(s):

System voltage: 1000V

Module types:

PV Modules with 6" Mono-crystalline Silicon Solar Cells:

- 72 cells: JAM6(L)-72- xxx (xxx=295-335, in steps of 5)
- 72 cells: JAM6-72- xxx/SI (xxx=285-325, in steps of 5)
- 72 cells: JAM6(R)-72-xxx (xxx=295-340, in steps of 5)
- 72 cells: JAM6(R)-72-xxx/PR (xxx=330-350, in steps of 5)
- 72 cells: JAM6-72-xxx/PR (xxx=325-345, in steps of 5)
- 72 cells: JAM6(L)-72-xxx/PR (xxx=325-345, in steps of 5)
- 72 cells: JAM6(K)-72-xxx/4BB (xxx=320-345, in steps of 5)
- 72 cells: JAM6(K)-72-xxx/PR (xxx=325-370, in steps of 5)
- 72 cells: JAM72S02-xxx/PR (xxx=325-390, in steps of 5)
- 72 cells: JAM72S01-xxx/PR/1000V (xxx=345-390, in steps of 5)
- 72 cells: JAM72S01-xxx/SC/1000V (xxx=320-365, in steps of 5)
- 72 cells: JAM72S01-xxx/MR/1000V (xxx=365-385, in steps of 5)
- 72 cells: JAM72S09-xxx/PR/1000V (xxx=370-405, in steps of 5)
- 72 cells: JAM72S09-xxx/BP/1000V (xxx=375-385, in steps of 5)
- 72 cells: JAM72S02-xxx/PR/1000V (xxx=345-390, in steps of 5)
- 72 cells: JAM72S02-xxx/SC/1000V (xxx=320-365, in steps of 5)
- 72 cells: JAM72S02-xxx/MR/1000V (xxx=365-385, in steps of 5)
- 72 cells: JAM72S12-xxx/PR/1000V (xxx=365-385, in steps of 5)
- 60 cells: JAM6(L)-60-xxx (xxx=255-280, in steps of 5)
- 60 cells: JAM6-60-xxx/SI (xxx=235-280, in steps of 5)
- 60 cells: JAM6(FA)-60-xxx/SI (xxx=255-275, in steps of 5)
- 60 cells: JAM6(R)(FA)-60-xxx (xxx=260-280, in steps of 5)
- 60 cells: JAM6(R)-60-xxx (xxx=255-280, in steps of 5)
- 60 cells: JAM6(R)-60-xxx/PR (xxx=280-300, in steps of 5)
- 60 cells: JAM6-60-xxx/PR (xxx=275-295, in steps of 5)
- 60 cells: JAM6(L)-60-xxx/PR (xxx=270-295, in steps of 5)
- 60 cells: JAM6(K)-60-xxx/4BB (xxx=265-285, in steps of 5)
- 60 cells: JAM6(K)-60-xxx/PR (xxx=275-310, in steps of 5)
- 60 cells: JAM60S02-xxx/PR (xxx=280-325, in steps of 5)
- 60 cells: JAM60S01-xxx/PR/1000V (xxx=285-325, in steps of 5)
- 60 cells: JAM60S01-xxx/SC/1000V (xxx=265-305, in steps of 5)
- 60 cells: JAM60S01-xxx/MR/1000V (xxx=305-320, in steps of 5)
- 60 cells: JAM60S09-xxx/PR/1000V (xxx=310-335, in steps of 5)
- 60 cells: JAM60S09-xxx/BP/1000V (xxx=315-320, in steps of 5)
- 60 cells: JAM60S02-xxx/PR/1000V (xxx=285-325, in steps of 5)
- 60 cells: JAM60S02-xxx/SC/1000V (xxx=265-305, in steps of 5)



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60 cells: JAM60S02-xxx/MR/1000V (xxx=305-320, in steps of 5)
60 cells: JAM60S12-xxx/PR/1000V (xxx=305-330, in steps of 5)
48 cells: JAM6(FA)-48-xxx/SI (xxx=205-220, in steps of 5)
48 cells: JAM6(R)(FA)-48-xxx (xxx=210-225, in steps of 5)
48 cells: JAM6(R)-48-xxx/PR (xxx=220-235, in steps of 5)
48 cells: JAM6-48-xxx/PR (xxx=215-235, in steps of 5)
48 cells: JAM6(L)-48-xxx/PR (xxx=215-235, in steps of 5)
48 cells: JAM6(K)-48xxx/4BB (xxx=210-225, in steps of 5)
48 cells: JAM6(K)-48-xxx/PR (xxx=220-235, in steps of 5)

Maximum system voltage: 1000V
Fuse rating: 20A
Application class: Class A
Electrical protection class: Class II

Module types:

PV Modules with 6" Mono-crystalline Silicon Solar Cells:

72 cells: JAM72S09-xxx/PR/1000V (xxx=370-405, in steps of 5)
72 cells: JAM72S12-xxx/PR/1000V (xxx=365-385, in steps of 5)
60 cells: JAM60S09-xxx/PR/1000V (xxx=310-335, in steps of 5)
60 cells: JAM60S12-xxx/PR/1000V (xxx=305-330, in steps of 5)

Maximum system voltage: 1000V
Fuse rating: 20A
Application class: Class A
Electrical protection class: Class II

Module types:

PV Modules with 5" Mono-crystalline Silicon Solar Cells:

72 cells: JAM5-72-xxx/SI (xxx=180-210, in steps of 5)
72 cells: JAM5(L)-72-xxx/SI (xxx=180-220, in steps of 5)
72 cells: JAM5(R)-72-xxx (xxx=195-220, in steps of 5)

Maximum system voltage: 1000V
Fuse rating: 10A
Application class: Class A
Electrical protection class: Class II

Module types:

PV Modules with half-cut 6" Mono-crystalline Silicon Solar Cells:

72 cells: JAM72S03-xxx/PR/1000V (xxx=360-395, in steps of 5)
72 cells: JAM72S10-xxx/PR/1000V (xxx=380-410, in steps of 5)
72 cells: JAM72S10-xxx/BP/1000V (xxx=385-400, in steps of 5)



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72 cells: JAM72S10-xxx/MR/1000V (xxx=390-420, in steps of 5)
 72 cells: JAM72S10-xxx/MB/1000V (xxx=395-415, in steps of 5)
 72 cells: JAM72S08-xxx/PR/1000V (xxx=360-395, in steps of 5)
 72 cells: JAM72S17-xxx/PR/1000V (xxx=380-390, in steps of 5)
 72 cells: JAM72S17-xxx/MR/1000V (xxx=390-395, in steps of 5)
 60 cells: JAM60S03-xxx/PR/1000V (xxx=300-330, in steps of 5)
 60 cells: JAM60S10-xxx/PR/1000V (xxx=315-345, in steps of 5)
 60 cells: JAM60S10-xxx/BP/1000V (xxx=320-330, in steps of 5)
 60 cells: JAM60S10-xxx/MR/1000V (xxx=325-345, in steps of 5)
 60 cells: JAM60S10-xxx/MB/1000V (xxx=330-345, in steps of 5)
 60 cells: JAM60S20-xxx/MR/1000V (xxx=355-390, in steps of 5)
 60 cells: JAM60S21-xxx/MR/1000V (xxx=355-375, in steps of 5)
 60 cells: JAM60S08-xxx/PR/1000V (xxx=300-330, in steps of 5)
 60 cells: JAM60S17-xxx/PR/1000V (xxx=315-325, in steps of 5)
 60 cells: JAM60S17-xxx/MR/1000V (xxx=315-335, in steps of 5)
 78 cells: JAM78S10-xxx/MR/1000V (xxx=435-465, in steps of 5)
 66 cells: JAM66S10-xxx/MR/1000V (xxx=345-390, in steps of 5)

Maximum system voltage: 1000V
 Fuse rating: 20A
 Application class: Class A
 Electrical protection class: Class II

Module types: **PV Modules with half-cut 6" Mono-crystalline Silicon Solar Cells:**

72 cells: JAM72S10-xxx/PR/1000V (xxx=380-410, in steps of 5)
 72 cells: JAM72S20-xxx/MR/1000V (xxx=430-470, in steps of 5)
 72 cells: JAM72S17-xxx/PR/1000V (xxx=380-390, in steps of 5)
 72 cells: JAM72S20-xxx/MB/1000V (xxx=450-465, in steps of 5)
 60 cells: JAM60S20-xxx/MR/1000V (xxx=355-390, in steps of 5)
 60 cells: JAM60S21-xxx/MR/1000V (xxx=355-375, in steps of 5)
 60 cells: JAM60S10-xxx/PR/1000V (xxx=315-345, in steps of 5)
 60 cells: JAM60S17-xxx/PR/1000V (xxx=315-325, in steps of 5)
 60 cells: JAM60S20-xxx/MB/1000V (xxx=375-390, in steps of 5)

Maximum system voltage: 1000V
 Fuse rating: 25A
 Application class: Class A
 Electrical protection class: Class II



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Module types:

PV Modules with half-cut 7" Mono-crystalline Silicon Solar Cells:

60 cells: JAM60S30-xxx/MR/1000V (xxx=435-460, in steps of 5)
 66 cells: JAM66S30-xxx/MR/1000V (xxx=470-505, in steps of 5)
 72 cells: JAM72S30-xxx/MR/1000V (xxx=510-550, in steps of 5)
 54 cells: JAM54S30-xxx/MR/1000V (xxx=390-415, in steps of 5)
 78 cells: JAM78S30-xxx/GR/1000V (xxx=575-600, in steps of 5)
 72 cells: JAM72S30-xxx/GR/1000V (xxx=535-555, in steps of 5)
 66 cells: JAM66S30-xxx/GR/1000V (xxx=500-505, in steps of 5)
 60 cells: JAM60S30-xxx/GR/1000V (xxx=445-460, in steps of 5)
 54 cells: JAM54S30-xxx/GR/1000V (xxx=400-415, in steps of 5)
 72 cells: JAM72S31-xxx/MR/1000V (xxx=510-545, in steps of 5)
 66 cells: JAM66S31-xxx/MR/1000V (xxx=470-500, in steps of 5)
 60 cells: JAM60S31-xxx/MR/1000V (xxx=425-450, in steps of 5)
 54 cells: JAM54S31-xxx/MR/1000V (xxx=385-405, in steps of 5)
 78 cells: JAM78S31-xxx/GR/1000V (xxx=570-590, in steps of 5)
 72 cells: JAM72S31-xxx/GR/1000V (xxx=525-545, in steps of 5)
 66 cells: JAM66S31-xxx/GR/1000V (xxx=480-500, in steps of 5)
 60 cells: JAM60S31-xxx/GR/1000V (xxx=435-450, in steps of 5)
 54 cells: JAM54S31-xxx/GR/1000V (xxx=395-405, in steps of 5)

Maximum system voltage:

1000V

Fuse rating:

25A

Application class:

Class A

Electrical protection class:

Class II

Module types:

PV Modules with 1/3-cut 8" Mono-crystalline Silicon Solar Cells:

50 cells: JAM50S40-xxx/MR/1000V (xxx=490-500, in steps of 5)

Maximum system voltage:

1000V

Fuse rating:

25A

Application class:

Class A

Electrical protection class:

Class II



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Module types:

PV Modules with 6" Poly-crystalline Silicon Solar Cells:

72 cells: JAP6-72-xxx/3BB (xxx=250-330, in steps of 5)
72 cells: JAP6-72-xxx/4BB (xxx=305-330, in steps of 5)
72 cells: JAP6-72-xxx/RE (xxx=305-330, in steps of 5)
72 cells: JAP6-72-xxx/4BB/RE (xxx=305-330, in steps of 5)
72 cells: JAP6(K)-72-xxx/4BB (xxx=310-330, in steps of 5)
72 cells: JAP72S01-xxx/SC/1000V (xxx=310-345, in steps of 5)
72 cells: JAP72S01-xxx/PR/1000V (xxx=330-345, in steps of 5)
72 cells: JAP72S09-xxx/SC/1000V (xxx=320-345, in steps of 5)
72 cells: JAP72S01-xxx/MS/1000V (xxx=325-340, in steps of 5)
72 cells: JAP72S02-xxx/SC/1000V (xxx=310-345, in steps of 5)
72 cells: JAP72S02-xxx/PR/1000V (xxx=330-345, in steps of 5)
60 cells: JAP6-60-xxx/3BB (xxx=240-275, in steps of 5)
60 cells: JAP6(FA)-60-xxx/3BB (xxx=250-270, in steps of 5)
60 cells: JAP6-60-xxx/4BB (xxx=250-275, in steps of 5)
60 cells: JAP6-60-xxx/RE (xxx=255-280, in steps of 5)
60 cells: JAP6-60-xxx/4BB/RE (xxx=255-280, in steps of 5)
60 cells: JAP6(K)-60-xxx/4BB (xxx=255-275, in steps of 5)
60 cells: JAP60S01-xxx/SC/1000V (xxx=255-290, in steps of 5)
60 cells: JAP60S01-xxx/PR/1000V (xxx=275-285, in steps of 5)
60 cells: JAP60S09-xxx/SC/1000V (xxx=265-290, in steps of 5)
60 cells: JAP60S01-xxx/MS/1000V (xxx=270-280, in steps of 5)
60 cells: JAP60S02-xxx/SC/1000V (xxx=255-290, in steps of 5)
60 cells: JAP60S02-xxx/PR/1000V (xxx=275-285, in steps of 5)
54 cells: JAP54S01-xxx/SC (xxx=245-255, in steps of 5)
48 cells: JAP6(FA)-48-xxx/3BB (xxx=200-220, in steps of 5)
48 cells: JAP6-48-xxx/3BB (xxx=200-220, in steps of 5)

Maximum system voltage: 1000V
Fuse rating: 20A
Application class: Class A
Electrical protection class: Class II



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Module types:

PV Modules with half-cut 6" Poly-crystalline Silicon Solar Cells:

72 cells: JAP72S03-xxx/SC/1000V (xxx=320-345, in steps of 5)
72 cells: JAP72S03-xxx/PR/1000V (xxx=335-355, in steps of 5)
72 cells: JAP72S10-xxx/SC/1000V (xxx=335-350, in steps of 5)
72 cells: JAP72S03-xxx/MS/1000V (xxx=320-345, in steps of 5)
72 cells: JAP72S08-xxx/SC/1000V (xxx=320-345, in steps of 5)
72 cells: JAP72S08-xxx/PR/1000V (xxx=335-355, in steps of 5)
60 cells: JAP60S03-xxx/SC/1000V (xxx=270-290, in steps of 5)
60 cells: JAP60S03-xxx/PR/1000V (xxx=280-295, in steps of 5)
60 cells: JAP60S10-xxx/SC/1000V (xxx=275-290, in steps of 5)
60 cells: JAP60S03-xxx/MS/1000V (xxx=270-285, in steps of 5)
60 cells: JAP60S08-xxx/SC/1000V (xxx=270-290, in steps of 5)
60 cells: JAP60S08-xxx/PR/1000V (xxx=280-295, in steps of 5)

Maximum system voltage:

1000V

Fuse rating:

20A

Application class:

Class A

Electrical protection class:

Class II

Module types:

PV Modules with 1/5-cut 8" Mono-crystalline Silicon Solar Cells:

76 cells: JAM76S11-xxx/PR(B)/1000V (xxx=395-415, in steps of 5)

Maximum system voltage:

1000V

Fuse rating:

25A

Application class:

Class A

Electrical protection class:

Class II



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System voltage: 1500V

Module types:

PV Modules with 6" Mono-crystalline Silicon Solar Cells:

72 cells: JAM6(K)-72-xxx/PR/1500V (xxx=345-370, in steps of 5)
 72 cells: JAM6(K)-72-xxx/4BB/1500V (xxx=320-345, in steps of 5)
 72 cells: JAM72S01-xxx/PR (xxx=345-390, in steps of 5)
 72 cells: JAM72S01-xxx/SC/1500V (xxx=320-365, in steps of 5)
 72 cells: JAM72S01-xxx/MR/1500V (xxx=365-385, in steps of 5)
 72 cells: JAM72S09-xxx/PR/1500V (xxx=370-405, in steps of 5)
 72 cells: JAM72S09-xxx/BP/1500V (xxx=375-385, in steps of 5)
 72 cells: JAM72S02-xxx/PR/1500V (xxx=345-390, in steps of 5)
 72 cells: JAM72S02-xxx/SC/1500V (xxx=320-365, in steps of 5)
 72 cells: JAM72S02-xxx/MR/1500V (xxx=365-385, in steps of 5)
 72 cells: JAM72S12-xxx/PR/1500V (xxx=365-385, in steps of 5)
 60 cells: JAM6(K)-60-xxx/PR/1500V (xxx=285-310, in steps of 5)
 60 cells: JAM6(K)-60-xxx/4BB/1500V (xxx=265-285, in steps of 5)
 60 cells: JAM60S01-xxx/PR/1500V (xxx=285-325, in steps of 5)
 60 cells: JAM60S01-xxx/SC/1500V (xxx=265-305, in steps of 5)
 60 cells: JAM60S01-xxx/MR/1500V (xxx=305-320, in steps of 5)
 60 cells: JAM60S09-xxx/PR/1500V (xxx=310-335, in steps of 5)
 60 cells: JAM60S09-xxx/BP/1500V (xxx=315-320, in steps of 5)
 60 cells: JAM60S02-xxx/PR/1500V (xxx=285-325, in steps of 5)
 60 cells: JAM60S02-xxx/SC/1500V (xxx=265-305, in steps of 5)
 60 cells: JAM60S02-xxx/MR/1500V (xxx=305-320, in steps of 5)
 60 cells: JAM60S12-xxx/PR/1500V (xxx=305-330, in steps of 5)

Maximum system voltage:

1500V

Fuse rating:

20A

Application class:

Class A

Electrical protection class:

Class II

Module types:

PV Modules with 6" Mono-crystalline Silicon Solar Cells:

72 cells: JAM72S09-xxx/PR/1500V (xxx=370-405, in steps of 5)
 72 cells: JAM72S12-xxx/PR/1500V (xxx=365-385, in steps of 5)
 60 cells: JAM60S09-xxx/PR/1500V (xxx=310-335, in steps of 5)
 60 cells: JAM60S12-xxx/PR/1500V (xxx=305-330, in steps of 5)

Maximum system voltage:

1500V

Fuse rating:

25A

Application class:

Class A

Electrical protection class:

Class II



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 Consumer Products

Module types:

PV Modules with half-cut 6" Mono-crystalline Silicon Solar Cells:

72 cells: JAM72S03-xxx/PR/1500V (xxx=360-395, in steps of 5)
72 cells: JAM72S10-xxx/PR/1500V (xxx=380-410, in steps of 5)
72 cells: JAM72S10-xxx/BP/1500V (xxx=385-400, in steps of 5)
72 cells: JAM72S10-xxx/MR/1500V (xxx=390-420, in steps of 5)
72 cells: JAM72S10-xxx/MB/1500V (xxx=395-415, in steps of 5)
72 cells: JAM72S20-xxx/MR/1500V (xxx=430-470, in steps of 5)
72 cells: JAM72S08-xxx/PR/1500V (xxx=360-395, in steps of 5)
72 cells: JAM72S17-xxx/PR/1500V (xxx=380-390, in steps of 5)
72 cells: JAM72S17-xxx/MR/1500V (xxx=390-395, in steps of 5)
60 cells: JAM60S03-xxx/PR/1500V (xxx=300-330, in steps of 5)
60 cells: JAM60S10-xxx/PR/1500V (xxx=315-345, in steps of 5)
60 cells: JAM60S10-xxx/BP/1500V (xxx=320-330, in steps of 5)
60 cells: JAM60S10-xxx/MR/1500V (xxx=325-345, in steps of 5)
60 cells: JAM60S10-xxx/MB/1500V (xxx=330-345, in steps of 5)
60 cells: JAM60S20-xxx/MR/1500V (xxx=355-390, in steps of 5)
60 cells: JAM60S21-xxx/MR/1500V (xxx=355-375, in steps of 5)
60 cells: JAM60S08-xxx/PR/1500V (xxx=300-330, in steps of 5)
60 cells: JAM60S17-xxx/PR/1500V (xxx=315-325, in steps of 5)
60 cells: JAM60S17-xxx/MR/1500V (xxx=315-335, in steps of 5)
78 cells: JAM78S10-xxx/MR/1500V (xxx=435-465, in steps of 5)
66 cells: JAM66S10-xxx/MR/1500V (xxx=345-390, in steps of 5)

Maximum system voltage:

1500V

Fuse rating:

20A

Application class:

Class A

Electrical protection class:

Class II



TÜV NORD CERT GmbH
Certification Body
Consumer Products

Module types:	PV Modules with half-cut 6" Mono-crystalline Silicon Solar Cells: 72 cells: JAM72S10-xxx/PR/1500V (xxx=380-410, in steps of 5) 72 cells: JAM72S20-xxx/MR/1500V (xxx=430-470, in steps of 5) 72 cells: JAM72S17-xxx/PR/1500V (xxx=380-390, in steps of 5) 72 cells: JAM72S20-xxx/MB/1500V (xxx=450-465, in steps of 5) 60 cells: JAM60S20-xxx/MR/1500V (xxx=355-390, in steps of 5) 60 cells: JAM60S21-xxx/MR/1500V (xxx=355-375, in steps of 5) 60 cells: JAM60S10-xxx/PR/1500V (xxx=315-345, in steps of 5) 60 cells: JAM60S17-xxx/PR/1500V (xxx=315-325, in steps of 5) 60 cells: JAM60S20-xxx/MB/1500V (xxx=375-390, in steps of 5)
Maximum system voltage:	1500V
Fuse rating:	25A
Application class:	Class A
Electrical protection class:	Class II

Module types:	PV Modules with half-cut 7" Mono-crystalline Silicon Solar Cells: 72 cells: JAM72S30-xxx/MR/1500V (xxx=510-550, in steps of 5) 66 cells: JAM66S30-xxx/MR/1500V (xxx=470-505, in steps of 5) 60 cells: JAM60S30-xxx/MR/1500V (xxx=435-460, in steps of 5) 54 cells: JAM54S30-xxx/MR/1500V (xxx=390-415, in steps of 5) 78 cells: JAM78S30-xxx/GR/1500V (xxx=575-600, in steps of 5) 72 cells: JAM72S30-xxx/GR/1500V (xxx=535-555, in steps of 5) 66 cells: JAM66S30-xxx/GR/1500V (xxx=500-505, in steps of 5) 60 cells: JAM60S30-xxx/GR/1500V (xxx=445-460, in steps of 5) 54 cells: JAM54S30-xxx/GR/1500V (xxx=400-415, in steps of 5) 72 cells: JAM72S31-xxx/MR/1500V (xxx=510-545, in steps of 5) 66 cells: JAM66S31-xxx/MR/1500V (xxx=470-500, in steps of 5) 60 cells: JAM60S31-xxx/MR/1500V (xxx=425-450, in steps of 5) 54 cells: JAM54S31-xxx/MR/1500V (xxx=385-405, in steps of 5) 78 cells: JAM78S31-xxx/GR/1500V (xxx=575-590, in steps of 5) 72 cells: JAM72S31-xxx/GR/1500V (xxx=525-545, in steps of 5) 66 cells: JAM66S31-xxx/GR/1500V (xxx=480-500, in steps of 5) 60 cells: JAM60S31-xxx/GR/1500V (xxx=435-450, in steps of 5) 54 cells: JAM54S31-xxx/GR/1500V (xxx=395-405, in steps of 5)
Maximum system voltage:	1500V
Fuse rating:	25A
Application class:	Class A
Electrical protection class:	Class II



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Consumer Products

Module types: **PV Modules with 1/3-cut 8" Mono-crystalline Silicon Solar Cells:**
50 cells: JAM50S40-xxx/MR/1500V (xxx=490-500, in steps of 5)

Maximum system voltage: 1500V

Fuse rating: 25A

Application class: Class A

Electrical protection class: Class II

Module types: **PV Modules with 1/5-cut 8" Mono-crystalline Silicon Solar Cells:**
76 cells: JAM76S11-xxx/PR(B)/1500V (xxx=395-415, in steps of 5)

Maximum system voltage: 1500V

Fuse rating: 25A

Application class: Class A

Electrical protection class: Class II

Module types: **PV Modules with 6" Poly-crystalline Silicon Solar Cells:**
72 cells: JAP6(K)-72-xxx/4BB/1500V (xxx=310-330, in steps of 5)
72 cells: JAP72S01-xxx/SC/1500V (xxx=310-345, in steps of 5)
72 cells: JAP72S01-xxx/PR/1500V (xxx=330-345, in steps of 5)
72 cells: JAP72S09-xxx/SC/1500V (xxx=320-345, in steps of 5)
72 cells: JAP72S01-xxx/MS/1500V (xxx=325-340, in steps of 5)
72 cells: JAP72S02-xxx/SC/1500V (xxx=310-345, in steps of 5)
72 cells: JAP72S02-xxx/PR/1500V (xxx=330-345, in steps of 5)
60 cells: JAP6(K)-60-xxx/4BB/1500V (xxx=255-275, in steps of 5)
60 cells: JAP60S01-xxx/SC/1500V (xxx=255-290, in steps of 5)
60 cells: JAP60S01-xxx/PR/1500V (xxx=275-285, in steps of 5)
60 cells: JAP60S09-xxx/SC/1500V (xxx=265-290, in steps of 5)
60 cells: JAP60S01-xxx/MS/1500V (xxx=270-280, in steps of 5)
60 cells: JAP60S02-xxx/SC/1500V (xxx=255-290, in steps of 5)
60 cells: JAP60S02-xxx/PR/1500V (xxx=275-285, in steps of 5)

Maximum system voltage: 1500V

Fuse rating: 20A

Application class: Class A

Electrical protection class: Class II

Module types: **PV Modules with half-cut 6" Poly-crystalline Silicon Solar Cells:**
72 cells: JAP72S03-xxx/SC/1500V (xxx=320-345, in steps of 5)



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72 cells: JAP72S03-xxx/PR/1500V (xxx=335-355, in steps of 5)
72 cells: JAP72S10-xxx/SC/1500V (xxx=335-350, in steps of 5)
72 cells: JAP72S03-xxx/MS/1500V (xxx=320-345, in steps of 5)
72 cells: JAP72S08-xxx/SC/1500V (xxx=320-345, in steps of 5)
72 cells: JAP72S08-xxx/PR/1500V (xxx=335-355, in steps of 5)
60 cells: JAP60S03-xxx/SC/1500V (xxx=270-290, in steps of 5)
60 cells: JAP60S03-xxx/PR/1500V (xxx=280-295, in steps of 5)
60 cells: JAP60S10-xxx/SC/1500V (xxx=275-290, in steps of 5)
60 cells: JAP60S03-xxx/MS/1500V (xxx=270-285, in steps of 5)
60 cells: JAP60S08-xxx/SC/1500V (xxx=270-290, in steps of 5)
60 cells: JAP60S08-xxx/PR/1500V (xxx=280-295, in steps of 5)

Maximum system voltage: 1500V
Fuse rating: 20A
Application class: Class A
Electrical protection class: Class II



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Consumer Products

System voltage: 1000V or 1500V

Module types:

PV Modules with 6" Mono-crystalline Silicon Solar Cells:

72 cells: JAM72S01-xxx/SC (xxx=320-365, in steps of 5)

72 cells: JAM72S02-xxx/SC (xxx=320-365, in steps of 5)

72 cells: JAM72S02-xxx/PR (xxx=345-390, in steps of 5)

72 cells: JAM72S01-xxx/MR (xxx=365-385, in steps of 5)

72 cells: JAM72S02-xxx/MR (xxx=365-385, in steps of 5)

72 cells: JAM72S09-xxx/PR (xxx=370-405, in steps of 5)

72 cells: JAM72S12-xxx/PR (xxx=365-385, in steps of 5)

72 cells: JAM72S09-xxx/BP (xxx=375-385, in steps of 5)

60 cells: JAM60S01-xxx/SC (xxx=265-305, in steps of 5)

60 cells: JAM60S02-xxx/SC (xxx=265-305, in steps of 5)

60 cells: JAM60S01-xxx/PR (xxx=285-325, in steps of 5)

60 cells: JAM60S02-xxx/PR (xxx=285-325, in steps of 5)

60 cells: JAM60S01-xxx/MR (xxx=305-320, in steps of 5)

60 cells: JAM60S02-xxx/MR (xxx=305-320, in steps of 5)

60 cells: JAM60S09-xxx/PR (xxx=310-335, in steps of 5)

60 cells: JAM60S12-xxx/PR (xxx=305-330, in steps of 5)

60 cells: JAM60S09-xxx/BP (xxx=315-320, in steps of 5)

Maximum system voltage:

1000V or 1500V

Fuse rating:

20A

Application class:

Class A

Electrical protection class:

Class II

Module types:

PV Modules with 6" Mono-crystalline Silicon Solar Cells:

72 cells: JAM72S09-xxx/PR (xxx=370-405, in steps of 5)

72 cells: JAM72S12-xxx/PR (xxx=365-385, in steps of 5)

60 cells: JAM60S09-xxx/PR (xxx=310-335, in steps of 5)

60 cells: JAM60S12-xxx/PR (xxx=305-330, in steps of 5)

Maximum system voltage:

1000V or 1500V

Fuse rating:

25A

Application class:

Class A

Electrical protection class:

Class II



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Certification Body
Consumer Products

Module types:

PV Modules with half-cut 6" Mono-crystalline Silicon Solar Cells:

72 cells: JAM72S03-xxx/PR (xxx=360-395, in steps of 5)
 72 cells: JAM72S10-xxx/PR (xxx=380-410, in steps of 5)
 72 cells: JAM72S17-xxx/PR (xxx=380-390, in steps of 5)
 72 cells: JAM72S10-xxx/MR (xxx=390-420, in steps of 5)
 72 cells: JAM72S17-xxx/MR (xxx=390-395, in steps of 5)
 72 cells: JAM72S10-xxx/BP (xxx=385-400, in steps of 5)
 72 cells: JAM72S10-xxx/MB (xxx=395-415, in steps of 5)
 72 cells: JAM72S20-xxx/MR (xxx=430-470, in steps of 5)
 72 cells: JAM72S08-xxx/PR (xxx=360-395, in steps of 5)
 72 cells: JAM72S20-xxx/MB (xxx=450-465, in steps of 5)
 60 cells: JAM60S03-xxx/PR (xxx=300-330, in steps of 5)
 60 cells: JAM60S08-xxx/PR (xxx=300-330, in steps of 5)
 60 cells: JAM60S10-xxx/PR (xxx=315-345, in steps of 5)
 60 cells: JAM60S10-xxx/MR (xxx=325-345, in steps of 5)
 60 cells: JAM60S10-xxx/BP (xxx=320-330, in steps of 5)
 60 cells: JAM60S10-xxx/MB (xxx=330-345, in steps of 5)
 60 cells: JAM60S17-xxx/PR (xxx=315-325, in steps of 5)
 60 cells: JAM60S17-xxx/MR (xxx=315-335, in steps of 5)
 60 cells: JAM60S20-xxx/MR (xxx=355-390, in steps of 5)
 60 cells: JAM60S21-xxx/MR (xxx=355-375, in steps of 5)
 60 cells: JAM60S20-xxx/MB (xxx=375-390, in steps of 5)
 78 cells: JAM78S10-xxx/MR (xxx=435-465, in steps of 5)
 78 cells: JAM78S10-xxx/MR-J (xxx=435-465, in steps of 5)
 66 cells: JAM66S10-xxx/MR (xxx=345-390, in steps of 5)

Maximum system voltage:

1000V or 1500V

Fuse rating:

20A

Application class:

Class A

Electrical protection class:

Class II



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 Consumer Products

Module types:	PV Modules with half-cut 6" Mono-crystalline Silicon Solar Cells:
	72 cells: JAM72S10-xxx/PR (xxx=380-410, in steps of 5)
	72 cells: JAM72S20-xxx/MR (xxx=430-470, in steps of 5)
	72 cells: JAM72S17-xxx/PR (xxx=380-390, in steps of 5)
	72 cells: JAM72S20-xxx/MB (xxx=450-465, in steps of 5)
	60 cells: JAM60S20-xxx/MR (xxx=355-390, in steps of 5)
	60 cells: JAM60S21-xxx/MR (xxx=355-375, in steps of 5)
	60 cells: JAM60S10-xxx/PR (xxx=315-345, in steps of 5)
	60 cells: JAM60S17-xxx/PR (xxx=315-325, in steps of 5)
	60 cells: JAM60S20-xxx/MB (xxx=375-390, in steps of 5)
Maximum system voltage:	1000V or 1500V
Fuse rating:	25A
Application class:	Class A
Electrical protection class:	Class II

Module types:	PV Modules with half-cut 7" Mono-crystalline Silicon Solar Cells:
	72 cells: JAM72S30-xxx/MR (xxx=510-550, in steps of 5)
	66 cells: JAM66S30-xxx/MR (xxx=470-505, in steps of 5)
	60 cells: JAM60S30-xxx/MR (xxx=435-460, in steps of 5)
	54 cells: JAM54S30-xxx/MR (xxx=390-415, in steps of 5)
	78 cells: JAM78S30-xxx/GR (xxx=575-600, in steps of 5)
	72 cells: JAM72S30-xxx/GR (xxx=535-555, in steps of 5)
	66 cells: JAM66S30-xxx/GR (xxx=500-505, in steps of 5)
	60 cells: JAM60S30-xxx/GR (xxx=445-460, in steps of 5)
	54 cells: JAM54S30-xxx/GR (xxx=400-415, in steps of 5)
	72 cells: JAM72S31-xxx/MR (xxx=510-545, in steps of 5)
	66 cells: JAM66S31-xxx/MR (xxx=470-500, in steps of 5)
	60 cells: JAM60S31-xxx/MR (xxx=425-450, in steps of 5)
	54 cells: JAM54S31-xxx/MR (xxx=385-405, in steps of 5)
	78 cells: JAM78S31-xxx/GR (xxx=575-590, in steps of 5)
	72 cells: JAM72S31-xxx/GR (xxx=525-545, in steps of 5)
	66 cells: JAM66S31-xxx/GR (xxx=480-500, in steps of 5)
	60 cells: JAM60S31-xxx/GR (xxx=435-450, in steps of 5)
	54 cells: JAM54S31-xxx/GR (xxx=395-405, in steps of 5)
Maximum system voltage:	1000V or 1500V
Fuse rating:	25A
Application class:	Class A
Electrical protection class:	Class II



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Consumer Products

Module types:	PV Modules with 1/3-cut 8" Mono-crystalline Silicon Solar Cells:
	50 cells: JAM50S40-xxx/MR (xxx=490-500, in steps of 5)
Maximum system voltage:	1000V or 1500V
Fuse rating:	25A
Application class:	Class A
Electrical protection class:	Class II

Module types:	PV Modules with 6" Poly-crystalline Silicon Solar Cells:
	72 cells: JAP72S01-xxx/SC (xxx=310-345, in steps of 5)
	72 cells: JAP72S02-xxx/SC (xxx=310-345, in steps of 5)
	72 cells: JAP72S01-xxx/PR (xxx=330-345, in steps of 5)
	72 cells: JAP72S02-xxx/PR (xxx=330-345, in steps of 5)
	72 cells: JAP72S09-xxx/SC (xxx=320-345, in steps of 5)
	72 cells: JAP72S01-xxx/MS (xxx=325-340, in steps of 5)
	60 cells: JAP60S01-xxx/SC (xxx=255-290, in steps of 5)
	60 cells: JAP60S02-xxx/SC (xxx=255-290, in steps of 5)
	60 cells: JAP60S01-xxx/PR (xxx=275-285, in steps of 5)
	60 cells: JAP60S02-xxx/PR (xxx=275-285, in steps of 5)
	60 cells: JAP60S09-xxx/SC (xxx=265-290, in steps of 5)
	60 cells: JAP60S01-xxx/MS (xxx=270-280, in steps of 5)
	54 cells: JAP54S01-xxx/SC (xxx=245-255, in steps of 5)
Maximum system voltage:	1000V or 1500V
Fuse rating:	20A
Application class:	Class A
Electrical protection class:	Class II



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Consumer Products

Module types:	PV Modules with 1/5-cut 8" Mono-crystalline Silicon Solar Cells: 68 cells: JAM68S11-xxx/PR (xxx=355-365, in steps of 5) 68 cells: JAM68S11-xxx/PR(B) (xxx=345-365, in steps of 5) 76 cells: JAM76S11-xxx/PR(B) (xxx=395-415, in steps of 5)
Maximum system voltage:	1000V or 1500V
Fuse rating:	25A
Application class:	Class A
Electrical protection class:	Class II

Module types:	PV Modules with half-cut 6" Poly-crystalline Silicon Solar Cells: 72 cells: JAP72S03-xxx/PR (xxx=335-355, in steps of 5) 72 cells: JAP72S03-xxx/SC (xxx=320-345, in steps of 5) 72 cells: JAP72S10-xxx/SC (xxx=335-350, in steps of 5) 72 cells: JAP72S03-xxx/MS (xxx=320-345, in steps of 5) 72 cells: JAP72S08-xxx/SC (xxx=320-345, in steps of 5) 72 cells: JAP72S08-xxx/PR (xxx=335-355, in steps of 5) 60 cells: JAP60S03-xxx/PR (xxx=280-295, in steps of 5) 60 cells: JAP60S03-xxx/SC (xxx=270-290, in steps of 5) 60 cells: JAP60S10-xxx/SC (xxx=275-290, in steps of 5) 60 cells: JAP60S03-xxx/MS (xxx=270-285, in steps of 5) 60 cells: JAP60S08-xxx/SC (xxx=270-290, in steps of 5) 60 cells: JAP60S08-xxx/PR (xxx=280-295, in steps of 5)
Maximum system voltage:	1000V or 1500V
Fuse rating:	20A
Application class:	Class A
Electrical protection class:	Class II

Remark:

For detailed product information, please refer to CDF (Constructional Data Form) in Annex 1 of test report.



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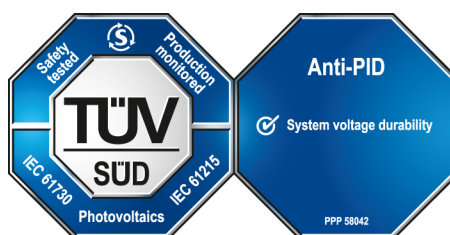
Product Service

CERTIFICATE

No. Z2 072092 0300 Rev. 15

Holder of Certificate: Shanghai JA Solar Technology Co., Ltd.
No. 118, Lane 3111
West Huancheng Road
Fengxian District
201401 Shanghai
PEOPLE'S REPUBLIC OF CHINA

Certification Mark:



Product: Crystalline Silicon Terrestrial Photovoltaic (PV) Modules
Mono-Crystalline Silicon Photovoltaic Module

The product was tested on a voluntary basis and complies with the essential requirements. The certification mark shown above can be affixed on the product. It is not permitted to alter the certification mark in any way. In addition, the certification holder must not transfer the certificate to third parties. This certificate is valid until the listed date, unless it is cancelled earlier. All applicable requirements of the testing and certification regulations of TÜV SÜD Group have to be complied. For details see: www.tuvsud.com/ps-cert

Test report no.: 704061900211-15

Valid until: 2027-01-25

Date, 2022-01-26


(Zhulin Zhang)

CERTIFICATE

No. Z2 072092 0300 Rev. 15

Model(s):

Maximum System Voltage: 1000 V DC

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

Maximum System Voltage: 1500 V DC

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

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No. Z2 072092 0300 Rev. 15

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

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

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

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

Parameters:

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

Tested according to:

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