



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](http://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.



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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= 320 to 345 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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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