Product Service

CERTIFICATE

No. Z2 072092 0295 Rev. 07

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. See also notes overleaf.

Test report no.: 704061604115-22

Valid until: 2024-08-13

Date, 2019-08-14

(David Bo)

A4 / 07.17

TÜV®

CERTIFICATE

No. Z2 072092 0295 Rev. 07

Model(s):

1500 V DC Maximum System voltage,
Fire Safety Class C Modules:
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;
1500 V DC Maximum System voltage,
Fire Safety Class A or C Modules:
JAM72D00-xxx/BP, xxx= 330 to 385 in step of 5;
JAM60D00-xxx/BP, xxx= 275 to 320 in step of 5;
JAM60D00-xxx/PR, xxx= 285 to 320 in step of 5;
JAM72D00-xxx/PR, xxx= 340 to 385 in step of 5;
JAM60D00-xxx/MB, xxx= 310 to 315 in step of 5;
JAM72D00-xxx/MB, xxx= 370 to 380 in step of 5;
JAM72D09-xxx/BP, xxx= 360 to 400 in step of 5;
JAM60D09-xxx/BP, xxx= 300 to 340 in step of 5;
JAM72D10-xxx/MB, xxx= 385 to 395 in step of 5;
JAM60D10-xxx/MB, xxx= 320 to 330 in step of 5;
1000 V DC Maximum System voltage,
Fire Safety Class C Modules:
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;
JAM72S02-xxx/PR, xxx= 345 to 390 in step of 5;
JAM60S02-xxx/PR, xxx= 285 to 325 in step of 5;
JAM72S02-xxx/SC, xxx= 320 to 365 in step of 5;
JAM60S02-xxx/SC, xxx= 265 to 305 in step of 5;
JAM72S02-xxx/MR, xxx= 365 to 385 in step of 5;
JAM60S02-xxx/MR, xxx= 305 to 320 in step of 5;
JAM72S08-xxx/PR, xxx= 360 to 395 in step of 5;
JAM60S08-xxx/PR, xxx= 300 to 330 in step of 5;
JAM72S12-xxx/PR, xxx= 370 to 380 in step of 5;
JAM60S12-xxx/PR, xxx= 310 to 330 in step 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 step of 5;
JAM60S01-xxx/SC, xxx= 265 to 305 in step of 5;
JAM72S01-xxx/PR, xxx= 345 to 390 in step of 5;
JAM60S01-xxx/PR, xxx= 285 to 325 in step of 5;
JAM72S01-xxx/MR, xxx= 365 to 385 in step of 5;
JAM60S01-xxx/MR, xxx= 305 to 320 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 405 in step of 5;
JAM60S10-xxx/PR, xxx= 315 to 345 in step of 5.
JAM72S10-xxx/MR, xxx= 390 to 420 in step of 5;
JAM60S10-xxx/MR, xxx= 325 to 345 in step of 5;
JAM78S10-xxx/MR, xxx= 410 to 440 in step of 5;
JAM66S10-xxx/MR, xxx= 345 to 380 in step of 5.
xxx is standing for rated output power at STC

Product Service

CERTIFICATE

No. Z2 072092 0295 Rev. 07

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:

IEC 61215-1(ed.1)
EN 61215-1:2016
IEC 61215-1-1(ed.1)
EN 61215-1-1:2016
IEC 61215-2(ed.1)
EN 61215-2:2017
IEC 61730-1(ed.2)
EN 61730-1:2018
IEC 61730-2(ed.2)
EN 61730-2:2018

Production Facility(ies):

072056, 072092, 079395, 090968, 095903, 097323, 101572, 001783, 089667, 102627, 102852, 104756, 104757, 078666, 090075, 076053, 078439

Product Service

CERTIFICATE

No. Z2 072092 0285 Rev. 09

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**
Poly-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. See also notes overleaf.

Test report no.: 704061604126-17

Valid until: 2024-08-11

Date, 2019-08-14 (David Bo)

TÜV SÜD
Product Service

CERTIFICATE

No. Z2 072092 0285 Rev. 09

Model(s):

1500 V DC Maximum System voltage,
Fire Safety Class C Modules:
JAP6(K)-72-xxx/4BB/1500V, xxx= 310 to 330 in step of 5;
JAP6(K)-60-xxx/4BB/1500V, xxx= 255 to 275 in step of 5;
1500 V DC Maximum System voltage,
Fire Safety Class A or Class C Modules:
JAP72D00-xxx/SC,xxx= 310 to 340 in step of 5;
JAP60D00-xxx/SC, xxx= 260 to 285 in step of 5;
JAP72D00-xxx/PR, xxx= 330 to 345 in step of 5;
JAP60D00-xxx/PR, xxx= 275 to 290 in step of 5;
JAP72D09-xxx/SC, xxx= 330 to 345 in step of 5;
JAP60D09-xxx/SC, xxx= 275 to 290 in step of 5;
1000 V DC Maximum System voltage,
Fire Safety Class C Modules:
JAP6(K)-72-xxx/4BB, xxx= 310 to 330 in step of 5;
JAP6(K)-60-xxx/4BB, xxx= 255 to 275 in step of 5;
JAP72S02-xxx/SC, xxx= 310 to 345 in step of 5;
JAP60S02-xxx/SC, xxx= 255 to 290 in step of 5;
JAP72S02-xxx/PR, xxx= 330 to 345 in step of 5;
JAP60S02-xxx/PR, xxx= 275 to 285 in step of 5;
JAP72S08-xxx/SC, xxx =320 to 345, in step of 5;
JAP60S08-xxx/SC, xxx =270 to 290, in step of 5;
JAP72S08-xxx/PR, xxx =335 to 355, in step of 5;
JAP60S08-xxx/PR, xxx =280 to 295, in step of 5;
1000 V DC or 1500 V DC Maximum System voltage,
Fire Safety Class C Modules:
JAP72S01-xxx/SC, xxx= 310 to 345 in step of 5;
JAP60S01- xxx/SC, xxx= 255 to 290 in step of 5;
JAP72S01-xxx/PR, xxx= 330 to 345 in step of 5;
JAP60S01-xxx/PR, xxx= 275 to 285 in step of 5;
JAP72S03-xxx/SC, xxx =320 to 345, in step of 5;
JAP60S03-xxx/SC, xxx =270 to 290, in step of 5;
JAP72S03-xxx/PR, xxx =335 to 355, in step of 5;
JAP60S03-xxx/PR, xxx =280 to 295, in step of 5;
JAP72S09-xxx/SC, xxx= 320 to 340 in step of 5;
JAP60S09-xxx/SC, xxx= 265 to 290 in step of 5;
JAP72S10-xxx/SC, xxx= 335 to 350 in step of 5;
JAP60S10-xxx/SC, xxx= 275 to 290 in step of 5;
JAP72S01-xxx/MS, xxx= 325 to 340 in step of 5;
JAP60S01-xxx/MS, xxx= 270 to 280 in step of 5;
JAP72S03-xxx/MS, xxx= 320 to 345 in step of 5;
JAP60S03-xxx/MS, xxx= 270 to 285 in step of 5
xxx is standing for rated output power at STC

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TÜV SÜD Product Service GmbH • Certification Body • Ridlerstraße 65 • 80339 Munich • Germany

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ZERTIFIKAT ◆ CERTIFICATE ◆ 認證證書 ◆ СЕРТИФИКАТ ◆ CERTIFICADO ◆ CERTIFICAT

Product Service

CERTIFICATE

No. Z2 072092 0285 Rev. 09

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 or 1000 V DC
Fire Safety Class:	Class C or Class A according to UL790.

Tested according to:

IEC 61215-1(ed.1)
EN 61215-1:2016
IEC 61215-1-1(ed.1)
EN 61215-1-1:2016
IEC 61215-2(ed.1)
EN 61215-2:2017
IEC 61730-1(ed.2)
EN 61730-1:2018
IEC 61730-2(ed.2)
EN 61730-2:2018

Production Facility(ies):

072056, 072092, 079395, 090968, 095903, 097323, 101572, 001783, 089667, 102627, 102852, 104756, 104757, 078666, 090075, 076053, 078439

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ZERTIFIKAT ◆ CERTIFICATE ◆ 認證證書 ◆ СЕРТИФИКАТ ◆ CERTIFICADO ◆ CERTIFICAT

Product Service

CERTIFICATE

No. Z2 072092 0288 Rev. 04

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. See also notes overleaf.

Test report no.: 704061209505-32

Valid until: 2024-05-09

Date, 2019-05-17

(David Bo)

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TÜV SÜD
Product Service

CERTIFICATE

No. Z2 072092 0288 Rev. 04

Model(s):

Maximum System Voltage: 1000 V DC or 1500 V DC
JAM72S01-xxx/PR, JAM72S04-xxx/PR, JAM72S06-xxx/PR,
xxx=325 to 390 in step of 5;
JAM60S01-xxx/PR, JAM60S04-xxx/PR, JAM60S06-xxx/PR,
xxx=280 to 325 in step of 5;
JAM72S01-xxx/SC, JAM72S04-xxx/SC, xxx =320 to 365 in step of 5;
JAM60S01-xxx/SC, JAM60S04-xxx/SC, JAM60S06-xxx/SC,
xxx=265 to 300 in step of 5;
JAM72S03-xxx/PR, xxx=355 to 400 in step of 5;
JAM60S03-xxx/PR, xxx = 295 to 335 in step of 5;
JAM72S01-xxx/MR, xxx= 360 to 390 in step of 5;
JAM60S01-xxx/MR, xxx= 300 to 330 in step of 5;
JAM72S09-xxx/PR, xxx= 370 to 390 in step of 5;
JAM60S09-xxx/PR, xxx= 310 to 325 in step of 5;
JAM72S10-xxx/PR, xxx= 380 to 415 in step of 5;
JAM60S10-xxx/PR, xxx= 315 to 345 in step of 5;
JAM72S10-xxx/MR, xxx= 390 to 410 in step of 5;
JAM60S10-xxx/MR, xxx= 320 to 340 in step of 5;

Maximum System Voltage: 1500 V DC
JAM6-72-xxx/SI/1500V, xxx =285 to 325 in step of 5;
JAM6-60-xxx/SI/1500V, xxx =235 to 280 in step of 5;
JAM6(R)-72-xxx/1500V, xxx =295 to 340 in step of 5;
JAM6(R)-60-xxx/1500V, JAM6-60-xxx/4BB/1500V, xxx =255 to 280 in step of 5;
JAM6-72-xxx/4BB/1500V, xxx =310 to 335 in step of 5;
JAM6(L)-72-xxx/PR/1500V, xxx =325 to 345 in step of 5;
JAM6(L)-60-xxx/PR/1500V, xxx =270 to 295 in step of 5;
JAM6(K)-72-xxx/PR/1500V, xxx= 335 to 360 in step of 5;
JAM6(K)-60-xxx/PR/1500V, xxx= 280 to 300 in step of 5;
JAM6(K)-72-xxx/4BB/1500V, xxx =320 to 340 in step of 5;
JAM6(K)-60-xxx/4BB /1500V, xxx =265 to 285 in step of 5;
Maximum System Voltage: 1000 V DC
JAM5(R)-72-xxx, JAM5(R)(BK)-72- xxx, xxx= 195 to 220 in step of 5;
JAM5-72-xxx, JAM5(BK)-72-xxx, xxx= 155 to 195 in step of 5;
JAM5(L)-72-xxx, JAM5(L)(BK)-72-xxx, xxx= 155 to 215 in step of 5;
JAM5-72-xxx/SI, JAM5(BK)-72-xxx/SI, xxx= 180 to 210 in step of 5;
JAM5(L)-72-xxx/SI, JAM5(L)(BK)-72-xxx/SI, xxx= 180 to 220 in step of 5;
JAM5(L)-96-xxx, JAM5(L)(BK)-96-xxx, xxx= 210 to 260 in step of 5;
JAM5(L)-96-xxx/SI, JAM5(L)(BK)-96-xxx/SI; xxx= 240 to 290 in step of 5;
JAM6-72-xxx, JAM6(BK)-72-xxx, xxx= 255 to 305 in step of 5;
JAM6-72-xxx/SI, JAM6(BK)-72-xxx/SI, JAM6(SE)-72-xxx/SI,
xxx= 285 to 325 in step of 5;
JAM6-60-xxx, JAM6(BK)-60-xxx, xxx= 200 to 250 in step of 5;
JAM6-60-xxx/3BB, JAM6(BK)-60-xxx/3BB, xxx= 200 to 275 in step of 5;
JAM6-60-xxx/SI, JAM6(BK)-60-xxx/SI, JAM6(SE)-60-xxx/SI,
xxx= 235 to 280 in step of 5;
JAM6-54-xxx, JAM6(BK)-54-xxx; xxx= 180 to 225 in step of 5;
JAM6-54-xxx/3BB, JAM6(BK)-54-xxx/3BB; xxx= 180 to 250 in step of 5;
JAM6-72-xxx/3BB, JAM6(BK)-72-xxx/3BB, xxx= 310 to 330 in step of 5;
JAM6-54-xxx/SI, JAM6(BK)-54-xxx/SI, xxx= 225 to 240 in step of 5;
JAM6(R)-54-xxx, JAM6(R)(BK)-54-xxx, xxx=230 to 250 in step of 5;
JAM6(R)-48-xxx, JAM6(R)(BK)-48-xxx, xxx=205 to 225 in step of 5;
JAM6-48-xxx/SI, JAM6(BK)-48-xxx/SI, xxx=200 to 220 in step of 5;
JAM6(R)-72-xxx, JAM6(R)(BK)-72-xxx, xxx=295 to 340 in step of 5;
JAM6(R)-60-xxx, JAM6(R)(BK)-60-xxx, JAM6(L)-60-xxx,
JAM6(L)(BK)-60-xxx, JAM6-60-xxx/4BB, xxx=255 to 280 in step of 5;
JAM6(L)-72-xxx, JAM6(L)(BK)-72-xxx, xxx=295 to 335 in step of 5;
JAM6(TG)-60-xxx/SI, JAM6(BK)(TG)-60-xxx/SI, JAM6(BK)(SE)-60-xxx/SI,
xxx=250 to 280 in step of 5;
JAM6(FA)-60-xxx/SI, xxx=255 to 275 in step of 5;
JAM6(FA)-48-xxx/SI, xxx=205 to 220 in step of 5;
JAM6(R)(FA)-48-xxx, JAM6(K)-48-xxx/4BB, JAM6(K)(BK)-48-xxx/4BB,
xxx= 210 to 225 in step of 5;

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CERTIFICATE

No. Z2 072092 0288 Rev. 04

Model(s):

JAM6-72-xxx/4BB, xxx=310 to 335 in step of 5;
JAM6(R)-72-xxx/PR, JAM6(R)(BK)-72-xxx/PR, xxx=330 to 350 in step of 5;
JAM6(R)-60-xxx/PR, JAM6(R)(BK)-60-xxx/PR, xxx=280 to 295 in step of 5;
JAM6(R)-48-xxx/PR, JAM6(R)(BK)-48-xxx/PR, JAM6(K)-48-xxx/PR,
JAM6(K)(BK)-48-xxx/PR, xxx=220 to 235 in step of 5;
JAM6-72-xxx/PR, JAM6(BK)-72-xxx/PR, JAM6(L)-72-xxx/PR,
JAM6(L)(BK)-72-xxx/PR,JAM6(L)(TG)-72-xxx/PR,
JAM6(L)(BK)(TG)-72-xxx/PR, xxx=325 to 345 in step of 5;
JAM6(L)-60-xxx/PR, JAM6(L)(BK)-60-xxx/PR, xxx=270 to 295 in step of 5;
JAM6(L)-54-xxx/PR, JAM6(L)(BK)-54-xxx/PR, xxx=250 to 270 in step of 5;
JAM6-48-xxx/PR, JAM6(BK)-48-xxx/PR, JAM6(L)-48-xxx/PR,
JAM6(L)(BK)-48-xxx/PR, xxx=215 to 235 in step of 5;
JAM6(R)(SE)-72-xxx, JAM6(R)(BK)(SE)-72-xxx, xxx=305 to 330 in step of 5;
JAM6(R)(FA)-60-xxx, JAM6(R)(SE)-60-xxx, JAM6(R)(BK)(SE)-60-xxx,
JAM6(R)(TG)-60-xxx, JAM6(R)(BK)(TG)-60-xxx, xxx=260 to 280 in step of 5;
JAM6(L)(SE)-60-xxx/PR, JAM6(L)(TG)-60-xxx/PR, JAM6(L)(BK)(SE)-60-xxx/PR,
JAM6-60-xxx/PR, JAM6(BK)-60-xxx/PR, xxx=275 to 295 in step of 5;
JAM6(TG)-72-xxx/SI, JAM6(BK)(TG)-72-xxx/SI, JAM6(BK)(SE)-72-xxx/SI,
xxx=300 to 325 in step of 5;
JAM6(R)(TG)-72-xxx, JAM6(R)(BK)(TG)-72-xxx,xxx=305 to 340 in step of 5;
JAM6(L)-72-xxx/4BB, JAM6(L)(BK)-72-xxx/4BB,xxx=320 to 335 in step of 5;
JAM6(L)-60-xxx/4BB, JAM6(L)(SE)-60-xxx/4BB,
JAM6(L)(TG)-60-xxx/4BB, JAM6(L)(BK)-60-xxx/4BB,
JAM6(L)(BK)(SE)-60-xxx/4BB, JAM6(L)(BK)(TG)-60-xxx/4BB,
xxx= 265 to 280 in step of 5;
JAM6(K)-72-xxx/4BB, JAM6(K)(BK)-72-xxx/4BB, JAM6(K)(TG)-72-xxx/4BB,
xxx= 320 to 340 in step of 5;
JAM6(K)-54-xxx/4BB, xxx= 235 to 250 in step of 5;
JAM6(K)-72-xxx/PR, JAM6(K)(BK)-72-xxx/PR, JAM72S02-xxx/PR,
JAM6(K)(BK)(TG)-72-xxx/PR, JAM6(K)(TG)-72-xxx/PR,
xxx=325 to 360 in step of 5;
JAM6(K)-60-xxx/PR, JAM6(K)(BK)-60-xxx/PR, xxx= 275 to 305 in step of 5;
JAM6(K)-54-xxx/PR, JAM6(K)(BK)-54-xxx/PR, xxx= 250 to 265 in step of 5;
JAM6(K)-60-xxx/4BB, JAM6(K)(BK)-60-xxx/4BB, JAM6(K)(SE)-60-xxx/4BB,
JAM6(K)(BK)(SE)-60-xxx/4BB, JAM6(K)(TG)-60-xxx/4BB,
JAM6(K)(BK)(TG)-60-xxx/4BB, JAM6(K)(FA)-60-xxx/4BB,
xxx= 265 to 290 in step of 5;
JAM6(K)(SE)-60-xxx/PR, JAM6(K)(BK)(SE)-60-xxx/PR,
JAM6(K)(TG)-60-xxx/PR, AM6(K)(BK)(TG)-60-xxx/PR,
xxx= 275 to 300 in step of 5;
JAM6(L)(SE)-72-xxx/PR, JAM6(L)(BK)(SE)-72-xxx/PR,
JAM6(K)(SE)-72-xxx/PR, JAM6(K)(BK)(SE)-72-xxx/PR,
JAM72S05-xxx/PR, JAM72S07-xxx/PR,xxx= 325 to 330 in step of 5;
JAM6(K)(SE)-72-xxx/4BB, JAM72S05-xxx/SC, xxx= 320 to 330 in step of 5;
JAM72S02-xxx/PR, xxx= 325 to 390 in step of 5;
JAM60S02-xxx/PR, xxx= 280 to 325 in step of 5;
JAM72S02-xxx/SC, xxx =320 to 365 in step of 5;
JAM60S02-xxx/SC, JAM60S05-xxx/SC, JAM60S07-xxx/SC,
xxx =265 to 300 in step of 5;
JAM72S08-xxx/PR, xxx = 355 to 400 in step of 5;
JAM60S08-xxx/PR, xxx = 295 to 335 in step of 5;
JAM72S12-xxx/PR, xxx= 370 to 390 in step of 5;
JAM72S13-xxx/PR, xxx= 370 to 390 in step of 5;
JAM72S14-xxx/PR, xxx= 370 to 390 in step of 5;
JAM72S15-xxx/PR, xxx= 370 to 390 in step of 5;
JAM72S16-xxx/PR, xxx= 370 to 390 in step of 5;
JAM60S12-xxx/PR, xxx= 310 to 325 in step of 5;
JAM60S13-xxx/PR, xxx= 310 to 325 in step of 5;
JAM60S14-xxx/PR, xxx= 310 to 325 in step of 5;
JAM60S15-xxx/PR, xxx= 310 to 325 in step of 5;
JAM60S16-xxx/PR, xxx= 310 to 325 in step of 5;
JAM72S17-xxx/PR, xxx= 380 to 415 in step of 5;
JAM60S17-xxx/PR, xxx= 315 to 345 in step of 5;
xxx is standing for rated output power at STC

ZERTIFIKAT ◆ CERTIFICATE ◆ 認證證書 ◆ CERTИФИКАТ ◆ CERTIFICADO ◆ CERTIFICAT

Product Service

CERTIFICATE

No. Z2 072092 0288 Rev. 04

Parameters:

Construction:	Framed, 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
Application Class:	Class A
Maximum System Voltage:	1000 V DC or 1500 V DC
Fire Safety Class:	Class C

Tested according to:

EN 61730-1:2007/A11:2014
EN 61730-2:2007/A1:2012
IEC 61215(ed.2)
IEC 61730-1(ed.1);am1;am2
IEC 61730-2(ed.1);am1

Production Facility(ies):

072056, 072092, 079395, 090968, 095903, 097323, 101572, 001783, 089667

A4 / 07.17

Product Service

CERTIFICATE

No. Z2 072092 0290 Rev. 02

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**
Poly-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. See also notes overleaf.

Test report no.: 704061209506-32

Valid until: 2024-04-08

Date, 2019-04-11 (Zhulin Zhang)

A4 / 07.17

TÜV®

CERTIFICATE

No. Z2 072092 0290 Rev. 02

Model(s):

Maximum System Voltage: 1000 V DC
JAP6-72-xxx, JAP6(BK)-72-xxx, xxx=250 to 310 in step of 5;
JAP6-72-xxx/3BB, JAP6(BK)-72-xxx/3BB,
JAP6(SE)-72-xxx/3BB, xxx=250 to 330 in step of 5;
JAP6-72-xxx/MP, JAP6(BK)-72-xxx/MP, xxx=280 to 320 in step of 5;
JAP6-60-xxx, JAP6(BK)-60-xxx, xxx=200 to 260 in step of 5;
JAP6-60-xxx/3BB, JAP6(BK)-60-xxx/3BB,
JAP6(SE)-60-xxx/3BB, xxx=200 to 275 in step of 5;
JAP6-60-xxx/MP, JAP6(BK)-60-xxx/MP, xxx=220 to 265 in step of 5;
JAP6-54-xxx, JAP6(BK)-54-xxx, xxx=180 to 235 in step of 5;
JAP6-54-xxx/3BB, JAP6(BK)-54-xxx/3BB, xxx=220 to 235 in step of 5;
JAP6-54-xxx/MP, JAP6(BK)-54-xxx/MP, xxx=210 to 240 in step of 5;
JAP6-54-xxx/4BB/RE, JAP6(BK)-54-xxx/4BB/RE,
xxx=225 to 245 in step of 5;
JAP6(FA)-60-xxx/3BB, xxx=250 to 270 in step of 5;
JAP6(FA)-48-xxx/3BB, JAP6-48-xxx/3BB, xxx=200 to 220 in step of 5;
JAP6-72-xxx/4BB, JAP6-72-xxx/4BB/RE,
JAP6-72-xxx/RE, JAP6(BK)-72-xxx/4BB/RE,
JAP6(BK)(SE)-72-xxx/3BB, JAP6(K)-72-xxx/4BB,
JAP72S05-xxx/SC, xxx= 305 to 330 in step of 5;
JAP6(K)(TG)-72-xxx/4BB, xxx= 310 to 330 in step of 5;
JAP6-60-xxx/4BB/RE, JAP6(BK)-60-xxx/4BB/RE,
JAP6-60-xxx/RE, xxx=255 to 280 in step of 5;
JAP6(TG)-72-xxx/3BB, JAP6(BK)(TG)-72-xxx/3BB,
xxx=295 to 315 in step of 5;
JAP6(TG)-60-xxx/3BB, JAP6(BK)(TG)-60-xxx/3BB,
xxx=245 to 265 in step of 5;
JAP6(TG)-72-xxx/4BB/RE, JAP6(SE)-72-xxx/4BB/RE,
JAP6(BK)(TG)-72-xxx/4BB/RE, xxx= 305 to 325 in step of 5;
JAP6(TG)-60-xxx/4BB/RE, JAP6(BK)(TG)-60-xxx/4BB/RE,
JAP6(SE)-60-xxx/4BB/RE, JAP6(BK)(SE)-60-xxx/4BB/RE,
JAP6(FA)-60-xxx/4BB, JAP6(K)(TG)-60-xxx/4BB,
JAP6(K)-60-xxx/4BB, JAP6(K)(SE)-60-xxx/4BB,
xxx=255 to 275 in step of 5;
JAP6(BK)(SE)-60-xxx/3BB, xxx=245 to 275 in step of 5;
JAP6-60-xxx/4BB, JAP6(SE)-60-xxx/4BB,
JAP6(TG)-60-xxx/4BB, JAP6(BK)(TG)-60-xxx/4BB,
xxx =250 to 275 in step of 5;
JAP6(SE)-72-xxx/4BB, JAP6(TG)-72-xxx/4BB,
xxx=300 to 330 in step of 5;
JAP72S02-xxx/SC, xxx=305 to 345 in step of 5;
JAP60S02-xxx/SC, JAP60S05-xxx/SC, xxx=250 to 290 in step of 5;
Maximum System Voltage: 1500 V DC
JAP6-72-xxx/3BB/1500V, xxx=295 to 330 in step of 5;
JAP6-60-xxx/3BB/1500V, xxx=245 to 285 in step of 5;
JAP6-60-xxx/4BB/1500V, xxx=250 to 275 in step of 5;
JAP6-72-xxx/4BB/RE/1500V, JAP6-72-xxx/4BB/1500V,
xxx=305 to 330 in step of 5;
JAP6-60-xxx/4BB/RE/1500V, xxx=255 to 280 in step of 5;
JAP6(K)-72-xxx/4BB/1500V, xxx=305 to 330 in step of 5;
JAP6(K)-60-xxx/4BB/1500V, xxx=255 to 275 in step of 5;
Maximum System Voltage: 1000 V DC or 1500 V DC
JAP72S01-xxx/SC, JAP72S04-xxx/SC, xxx=305 to 345 in step of 5;
JAP60S01-xxx/SC, JAP60S04-xxx/SC, xxx=250 to 290 in step of 5;
JAP72S03-xxx/PR, xxx=335 to 380, in step of 5;
JAP60S03-xxx/PR, xxx=280 to 315, in step of 5;
JAP72S03-xxx/SC, xxx=320 to 350, in step of 5;
JAP60S03-xxx/SC, xxx=270 to 300, in step of 5;
JAP54S01-xxx/SC, xxx=245 to 255, in step of 5;
JAP72S09-xxx/SC, xxx= 320 to 340 in step of 5;
JAP60S09-xxx/SC, xxx= 265 to 280 in step of 5;
JAP72S10-xxx/SC, xxx= 335 to 350 in step of 5;
JAP60S10-xxx/SC, xxx= 275 to 290 in step of 5.
xxx is standing for rated output power at STC

ZERTIFIKAT ◆ CERTIFICATE ◆ 認證證書 ◆ СЕРТИФИКАТ ◆ CERTIFICADO ◆ CERTIFICAT

Product Service

CERTIFICATE

No. Z2 072092 0290 Rev. 02

Parameters:

Construction:	Framed, with Junction box, Cable and Connectors.
Application Class :	Class A
Maximum System Voltage:	1000 V DC or 1500 V DC
Fire Safety Class:	Class C
Test Laboratory:	Yangzhou Opto-Electrical Products Testing Institute, No. 10 West Kaifa Road, Yangzhou, 225009 Jiangsu, P. R. China.

Tested according to:

IEC 61215(ed.2)
EN 61215:2005
IEC 61730-2(ed.1);am1
EN 61730-2:2007/A1:2012
IEC 61730-1(ed.1);am1;am2
EN 61730-1:2007/A11:2014

Production Facility(ies):

072056, 072092, 079395, 090968, 095903, 097323, 101572

A4 / 07.17

TÜV®