

This authorizes the application of the Certification Mark(s) shown below to the models described in the Product(s) Covered section when made in accordance with the conditions set forth in the Certification Agreement and Listing Report. This authorization also applies to multiple listee model(s) identified on the correlation page of the Listing Report.

This document is the property of Intertek Testing Services and is not transferable. The certification mark(s) may be applied only at the location of the Party Authorized To Apply Mark.

Applicant:	Shanghai JA Solar Technology Co., Ltd.	Manufacturer:	Shanghai JA Solar Technology Co., Ltd.
Address:	No. 118, Lane 3111, West Huancheng Road, Fengxian District, 201401 Shanghai	Address:	No. 118, Lane 3111, West Huancheng Road, Fengxian District, 201401 Shanghai
Country:	P. R. China	Country:	P. R. China
Party Authorized To Apply Mark:	Same as Manufacturer		
Report Issuing Office:	Intertek Testing Services (Shanghai FTZ) Co., Ltd		
Control Number:	<u>4001505</u>	Authorized by:	 _____ for L. Matthew Snyder, Certification Manager



This document supersedes all previous Authorizations to Mark for the noted Report Number.

This Authorization to Mark is for the exclusive use of Intertek's Client and is provided pursuant to the Certification agreement between Intertek and its Client. Intertek's responsibility and liability are limited to the terms and conditions of the agreement. Intertek assumes no liability to any party, other than to the Client in accordance with the agreement, for any loss, expense or damage occasioned by the use of this Authorization to Mark. Only the Client is authorized to permit copying or distribution of this Authorization to Mark and then only in its entirety. Use of Intertek's Certification mark is restricted to the conditions laid out in the agreement and in this Authorization to Mark. Any further use of the Intertek name for the sale or advertisement of the tested material, product or service must first be approved in writing by Intertek. Initial Factory Assessments and Follow up Services are for the purpose of assuring appropriate usage of the Certification mark in accordance with the agreement, they are not for the purposes of production quality control and do not relieve the Client of their obligations in this respect.

Intertek Testing Services NA Inc.
545 East Algonquin Road, Arlington Heights, IL 60005
Telephone 800-345-3851 or 847-439-5667 Fax 312-283-1672

Standard(s):	Terrestrial Photovoltaic (PV) Modules - Design Qualification and Type Approval - Part 1: Test Requirements [UL 61215-1:2021 Ed.2]
	Terrestrial Photovoltaic (PV) Modules - Design Qualification and Type Approval - Part 1-1: Special Requirements for Testing of Crystalline Silicon Photovoltaic (PV) Modules [UL 61215-1-1:2021 Ed.2]
	Terrestrial Photovoltaic (PV) Modules - Design Qualification and Type Approval - Part 2: Test Procedures [UL 61215-2:2021 Ed.2]
	Photovoltaic (PV) Module Safety Qualification - Part 1: Requirements for Construction [UL 61730-1:2022 Ed.2]
	Photovoltaic (PV) Module Safety Qualification - Part 2: Requirements for Testing [UL 61730-2:2022 Ed.2+R:25Apr2023]
	Photovoltaic (PV) Module Safety Qualification - Part 1: Requirements for Construction [CSA C22.2#61730-1:2019 Ed.2]
	Photovoltaic (PV) Module Safety Qualification - Part 2: Requirements for Testing [CSA C22.2#61730-2:2019 Ed.2]
Product:	Crystalline Silicon Photovoltaic modules

Brand Name: JA SOLAR 晶澳

Models:

- JAM72D30- followed by 530, 535, 540, 545, 550 or 555; followed by /MB,
- JAM72D40- followed by 560, 565, 570, 575, 580, 585, 590, 595, 600, 605 or 610; followed by /MB,
- JAM54D40- followed by 415, 420, 425, 430, 435, 440, 445, 450 or 455; followed by /MB,
- JAM54D41- followed by 415, 420, 425, 430, 435 or 440; followed by /MB,
- JAM72D40- followed by 575, 580, 585, 590, 595, 600, 605, 610, 615 or 620; followed by /LB,
- JAM60D40- followed by 485, 490, 495, 500, 505, 510 or 515; followed by /LB,
- JAM54D40- followed by 420, 425, 430, 435, 440, 445, 450, 455, 460, 465, 470 or 475; followed by /LB,
- JAM54D41- followed by 420, 425, 430, 435, 440, 445, 450 or 455; followed by /LB,
- JAM72D42- followed by 605, 610, 615, 620, 625, 630, 635, 640, 645, 650 or 655; followed by /LB,
- JAM66D42- followed by 555, 560, 565, 570, 575, 580, 585, 590, 595 or 600; followed by /MB,
- JAM60D42- followed by 500, 505, 510, 515, 520, 525, 530, 535, 540 or 545; followed by /LB,
- JAM66D45- followed by 585, 590, 595, 600, 605, 610, 615, 620, 625, 630, 635, 640, 645 or 650; followed by /LB,
- JAM72D40- followed by 585, 590, 595 or 600; followed by /MB-US,
- JAM66D46- followed by 685, 690, 695, 700, 705, 710, 715, 720, 725 or 730; followed by /LB,
- JAM60D41- followed by 485, 490, 495, 500 or 505; followed by /LB.

This authorizes the application of the Certification Mark(s) shown below to the models described in the Product(s) Covered section when made in accordance with the conditions set forth in the Certification Agreement and Listing Report. This authorization also applies to multiple listee model(s) identified on the correlation page of the Listing Report.

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Applicant:	Shanghai JA Solar Technology Co., Ltd.	Manufacturer:	Hefei JA Solar Technology Co., Ltd.
Address:	No. 118, Lane 3111, West Huancheng Road, Fengxian District, 201401 Shanghai	Address:	No. 999, Changning Road, Hi-tech Zone, Hefei City, 230088, Anhui Province
Country:	P. R. China	Country:	P. R. China
Party Authorized To Apply Mark:	Same as Manufacturer		
Report Issuing Office:	Intertek Testing Services (Shanghai FTZ) Co., Ltd		
Control Number:	<u>4005519</u>	Authorized by:	 _____ for L. Matthew Snyder, Certification Manager



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Intertek Testing Services NA Inc.
545 East Algonquin Road, Arlington Heights, IL 60005
Telephone 800-345-3851 or 847-439-5667 Fax 312-283-1672

Standard(s):	Terrestrial Photovoltaic (PV) Modules - Design Qualification and Type Approval - Part 1: Test Requirements [UL 61215-1:2021 Ed.2]
	Terrestrial Photovoltaic (PV) Modules - Design Qualification and Type Approval - Part 1-1: Special Requirements for Testing of Crystalline Silicon Photovoltaic (PV) Modules [UL 61215-1-1:2021 Ed.2]
	Terrestrial Photovoltaic (PV) Modules - Design Qualification and Type Approval - Part 2: Test Procedures [UL 61215-2:2021 Ed.2]
	Photovoltaic (PV) Module Safety Qualification - Part 1: Requirements for Construction [UL 61730-1:2022 Ed.2]
	Photovoltaic (PV) Module Safety Qualification - Part 2: Requirements for Testing [UL 61730-2:2022 Ed.2+R:25Apr2023]
	Photovoltaic (PV) Module Safety Qualification - Part 1: Requirements for Construction [CSA C22.2#61730-1:2019 Ed.2]
	Photovoltaic (PV) Module Safety Qualification - Part 2: Requirements for Testing [CSA C22.2#61730-2:2019 Ed.2]
Product:	Crystalline Silicon Photovoltaic modules

Brand Name: JA SOLAR 晶澳**Models:**

JAM72D30- followed by 530, 535, 540, 545, 550 or 555; followed by /MB,
JAM72D40- followed by 560, 565, 570, 575, 580, 585, 590, 595, 600, 605 or 610; followed by /MB,
JAM54D40- followed by 415, 420, 425, 430, 435, 440, 445, 450 or 455; followed by /MB,
JAM54D41- followed by 415, 420, 425, 430, 435 or 440; followed by /MB,
JAM72D40- followed by 575, 580, 585, 590, 595, 600, 605, 610, 615 or 620; followed by /LB,
JAM60D40- followed by 485, 490, 495, 500, 505, 510 or 515; followed by /LB,
JAM54D40- followed by 420, 425, 430, 435, 440, 445, 450, 455, 460, 465, 470 or 475; followed by /LB,
JAM54D41- followed by 420, 425, 430, 435, 440, 445, 450 or 455; followed by /LB,
JAM72D42- followed by 605, 610, 615, 620, 625, 630, 635, 640, 645, 650 or 655; followed by /LB,
JAM66D42- followed by 555, 560, 565, 570, 575, 580, 585, 590, 595 or 600; followed by /MB,
JAM60D42- followed by 500, 505, 510, 515, 520, 525, 530, 535, 540 or 545; followed by /LB,
JAM66D45- followed by 585, 590, 595, 600, 605, 610, 615, 620, 625, 630, 635, 640, 645 or 650; followed by /LB,
JAM72D40- followed by 585, 590, 595 or 600; followed by /MB-US,
JAM66D46- followed by 685, 690, 695, 700, 705, 710, 715, 720, 725 or 730; followed by /LB,
JAM60D41- followed by 485, 490, 495, 500 or 505; followed by /LB.

This authorizes the application of the Certification Mark(s) shown below to the models described in the Product(s) Covered section when made in accordance with the conditions set forth in the Certification Agreement and Listing Report. This authorization also applies to multiple listee model(s) identified on the correlation page of the Listing Report.

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Applicant:	Shanghai JA Solar Technology Co., Ltd.	Manufacturer:	JA SOLAR VIET NAM COMPANY LIMITED.
Address:	No. 118, Lane 3111, West Huancheng Road, Fengxian District, 201401 Shanghai	Address:	Lot G, Quang Chau Industrial park, Nenh Ward, Bac Ninh Province
Country:	P. R. China	Country:	Vietnam
Party Authorized To Apply Mark:	Same as Manufacturer		
Report Issuing Office:	Intertek Testing Services (Shanghai FTZ) Co., Ltd		
Control Number:	<u>5020189</u>	Authorized by:	 _____ for L. Matthew Snyder, Certification Manager



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Intertek Testing Services NA Inc.
545 East Algonquin Road, Arlington Heights, IL 60005
Telephone 800-345-3851 or 847-439-5667 Fax 312-283-1672

Standard(s):	Terrestrial Photovoltaic (PV) Modules - Design Qualification and Type Approval - Part 1: Test Requirements [UL 61215-1:2021 Ed.2]
	Terrestrial Photovoltaic (PV) Modules - Design Qualification and Type Approval - Part 1-1: Special Requirements for Testing of Crystalline Silicon Photovoltaic (PV) Modules [UL 61215-1-1:2021 Ed.2]
	Terrestrial Photovoltaic (PV) Modules - Design Qualification and Type Approval - Part 2: Test Procedures [UL 61215-2:2021 Ed.2]
	Photovoltaic (PV) Module Safety Qualification - Part 1: Requirements for Construction [UL 61730-1:2022 Ed.2]
	Photovoltaic (PV) Module Safety Qualification - Part 2: Requirements for Testing [UL 61730-2:2022 Ed.2+R:25Apr2023]
	Photovoltaic (PV) Module Safety Qualification - Part 1: Requirements for Construction [CSA C22.2#61730-1:2019 Ed.2]
	Photovoltaic (PV) Module Safety Qualification - Part 2: Requirements for Testing [CSA C22.2#61730-2:2019 Ed.2]
Product:	Crystalline Silicon Photovoltaic modules

Brand Name: JA SOLAR 晶澳

Models:

- JAM72D30- followed by 530, 535, 540, 545, 550 or 555; followed by /MB,
- JAM72D40- followed by 560, 565, 570, 575, 580, 585, 590, 595, 600, 605 or 610; followed by /MB,
- JAM54D40- followed by 415, 420, 425, 430, 435, 440, 445, 450 or 455; followed by /MB,
- JAM54D41- followed by 415, 420, 425, 430, 435 or 440; followed by /MB,
- JAM72D40- followed by 575, 580, 585, 590, 595, 600, 605, 610, 615 or 620; followed by /LB,
- JAM60D40- followed by 485, 490, 495, 500, 505, 510 or 515; followed by /LB,
- JAM54D40- followed by 420, 425, 430, 435, 440, 445, 450, 455, 460, 465, 470 or 475; followed by /LB,
- JAM54D41- followed by 420, 425, 430, 435, 440, 445, 450 or 455; followed by /LB,
- JAM72D42- followed by 605, 610, 615, 620, 625, 630, 635, 640, 645, 650 or 655; followed by /LB,
- JAM66D42- followed by 555, 560, 565, 570, 575, 580, 585, 590, 595 or 600; followed by /MB,
- JAM60D42- followed by 500, 505, 510, 515, 520, 525, 530, 535, 540 or 545; followed by /LB,
- JAM66D45- followed by 585, 590, 595, 600, 605, 610, 615, 620, 625, 630, 635, 640, 645 or 650; followed by /LB,
- JAM72D40- followed by 585, 590, 595 or 600; followed by /MB-US,
- JAM66D46- followed by 685, 690, 695, 700, 705, 710, 715, 720, 725 or 730; followed by /LB,
- JAM60D41- followed by 485, 490, 495, 500 or 505; followed by /LB.

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Applicant:	Shanghai JA Solar Technology Co., Ltd.	Manufacturer:	American Panel Solutions LLC
Address:	No. 118, Lane 3111, West Huancheng Road, Fengxian District, 201401 Shanghai	Address:	1975 South 99th Avenue, Phoenix, AZ 85353
Country:	P. R. China	Country:	USA
Party Authorized To Apply Mark:	Same as Manufacturer		
Report Issuing Office:	Intertek Testing Services (Shanghai FTZ) Co., Ltd		
Control Number:	<u>5029709</u>	Authorized by:	 _____ for L. Matthew Snyder, Certification Manager



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Intertek Testing Services NA Inc.
545 East Algonquin Road, Arlington Heights, IL 60005
Telephone 800-345-3851 or 847-439-5667 Fax 312-283-1672

Standard(s):	Terrestrial Photovoltaic (PV) Modules - Design Qualification and Type Approval - Part 1: Test Requirements [UL 61215-1:2021 Ed.2]
	Terrestrial Photovoltaic (PV) Modules - Design Qualification and Type Approval - Part 1-1: Special Requirements for Testing of Crystalline Silicon Photovoltaic (PV) Modules [UL 61215-1-1:2021 Ed.2]
	Terrestrial Photovoltaic (PV) Modules - Design Qualification and Type Approval - Part 2: Test Procedures [UL 61215-2:2021 Ed.2]
	Photovoltaic (PV) Module Safety Qualification - Part 1: Requirements for Construction [UL 61730-1:2022 Ed.2]
	Photovoltaic (PV) Module Safety Qualification - Part 2: Requirements for Testing [UL 61730-2:2022 Ed.2+R:25Apr2023]
	Photovoltaic (PV) Module Safety Qualification - Part 1: Requirements for Construction [CSA C22.2#61730-1:2019 Ed.2]
	Photovoltaic (PV) Module Safety Qualification - Part 2: Requirements for Testing [CSA C22.2#61730-2:2019 Ed.2]
Product:	Crystalline Silicon Photovoltaic modules

Brand Name: JA SOLAR 晶澳

Models:

- JAM72D30- followed by 530, 535, 540, 545, 550 or 555; followed by /MB,
- JAM72D40- followed by 560, 565, 570, 575, 580, 585, 590, 595, 600, 605 or 610; followed by /MB,
- JAM54D40- followed by 415, 420, 425, 430, 435, 440, 445, 450 or 455; followed by /MB,
- JAM54D41- followed by 415, 420, 425, 430, 435 or 440; followed by /MB,
- JAM72D40- followed by 575, 580, 585, 590, 595, 600, 605, 610, 615 or 620; followed by /LB,
- JAM60D40- followed by 485, 490, 495, 500, 505, 510 or 515; followed by /LB,
- JAM54D40- followed by 420, 425, 430, 435, 440, 445, 450, 455, 460, 465, 470 or 475; followed by /LB,
- JAM54D41- followed by 420, 425, 430, 435, 440, 445, 450 or 455; followed by /LB,
- JAM72D42- followed by 605, 610, 615, 620, 625, 630, 635, 640, 645, 650 or 655; followed by /LB,
- JAM66D42- followed by 555, 560, 565, 570, 575, 580, 585, 590, 595 or 600; followed by /MB,
- JAM60D42- followed by 500, 505, 510, 515, 520, 525, 530, 535, 540 or 545; followed by /LB,
- JAM66D45- followed by 585, 590, 595, 600, 605, 610, 615, 620, 625, 630, 635, 640, 645 or 650; followed by /LB,
- JAM72D40- followed by 585, 590, 595 or 600; followed by /MB-US,
- JAM66D46- followed by 685, 690, 695, 700, 705, 710, 715, 720, 725 or 730; followed by /LB,
- JAM60D41- followed by 485, 490, 495, 500 or 505; followed by /LB.

This authorizes the application of the Certification Mark(s) shown below to the models described in the Product(s) Covered section when made in accordance with the conditions set forth in the Certification Agreement and Listing Report. This authorization also applies to multiple listee model(s) identified on the correlation page of the Listing Report.

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Applicant:	Shanghai JA Solar Technology Co., Ltd.	Manufacturer:	PT JAYA ELECTRICAL ENERGY
Address:	No. 118, Lane 3111, West Huancheng Road, Fengxian District, 201401 Shanghai	Address:	Komplek Arya, Wiraraja Industrial No.11-12.Kel, Kabil Kec, Nongsa,Kota Batam, Kepri Riau 29467
Country:	P. R. China	Country:	Indonesia
Party Authorized To Apply Mark:	Same as Manufacturer		
Report Issuing Office:	Intertek Testing Services (Shanghai FTZ) Co., Ltd		
Control Number:	<u>5031171</u>	Authorized by:	 _____ for L. Matthew Snyder, Certification Manager



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Intertek Testing Services NA Inc.
545 East Algonquin Road, Arlington Heights, IL 60005
Telephone 800-345-3851 or 847-439-5667 Fax 312-283-1672

Standard(s):	Terrestrial Photovoltaic (PV) Modules - Design Qualification and Type Approval - Part 1: Test Requirements [UL 61215-1:2021 Ed.2]
	Terrestrial Photovoltaic (PV) Modules - Design Qualification and Type Approval - Part 1-1: Special Requirements for Testing of Crystalline Silicon Photovoltaic (PV) Modules [UL 61215-1-1:2021 Ed.2]
	Terrestrial Photovoltaic (PV) Modules - Design Qualification and Type Approval - Part 2: Test Procedures [UL 61215-2:2021 Ed.2]
	Photovoltaic (PV) Module Safety Qualification - Part 1: Requirements for Construction [UL 61730-1:2022 Ed.2]
	Photovoltaic (PV) Module Safety Qualification - Part 2: Requirements for Testing [UL 61730-2:2022 Ed.2+R:25Apr2023]
	Photovoltaic (PV) Module Safety Qualification - Part 1: Requirements for Construction [CSA C22.2#61730-1:2019 Ed.2]
	Photovoltaic (PV) Module Safety Qualification - Part 2: Requirements for Testing [CSA C22.2#61730-2:2019 Ed.2]
Product:	Crystalline Silicon Photovoltaic modules

Brand Name: JA SOLAR 晶澳**Models:**

JAM72D30- followed by 530, 535, 540, 545, 550 or 555; followed by /MB,
JAM72D40- followed by 560, 565, 570, 575, 580, 585, 590, 595, 600, 605 or 610; followed by /MB,
JAM54D40- followed by 415, 420, 425, 430, 435, 440, 445, 450 or 455; followed by /MB,
JAM54D41- followed by 415, 420, 425, 430, 435 or 440; followed by /MB,
JAM72D40- followed by 575, 580, 585, 590, 595, 600, 605, 610, 615 or 620; followed by /LB,
JAM60D40- followed by 485, 490, 495, 500, 505, 510 or 515; followed by /LB,
JAM54D40- followed by 420, 425, 430, 435, 440, 445, 450, 455, 460, 465, 470 or 475; followed by /LB,
JAM54D41- followed by 420, 425, 430, 435, 440, 445, 450 or 455; followed by /LB,
JAM72D42- followed by 605, 610, 615, 620, 625, 630, 635, 640, 645, 650 or 655; followed by /LB,
JAM66D42- followed by 555, 560, 565, 570, 575, 580, 585, 590, 595 or 600; followed by /MB,
JAM60D42- followed by 500, 505, 510, 515, 520, 525, 530, 535, 540 or 545; followed by /LB,
JAM66D45- followed by 585, 590, 595, 600, 605, 610, 615, 620, 625, 630, 635, 640, 645 or 650; followed by /LB,
JAM72D40- followed by 585, 590, 595 or 600; followed by /MB-US,
JAM66D46- followed by 685, 690, 695, 700, 705, 710, 715, 720, 725 or 730; followed by /LB,
JAM60D41- followed by 485, 490, 495, 500 or 505; followed by /LB.

This authorizes the application of the Certification Mark(s) shown below to the models described in the Product(s) Covered section when made in accordance with the conditions set forth in the Certification Agreement and Listing Report. This authorization also applies to multiple listee model(s) identified on the correlation page of the Listing Report.

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Applicant:	Shanghai JA Solar Technology Co., Ltd.	Manufacturer:	PT BLUE SKY SOLAR INDONESIA
Address:	No. 118, Lane 3111, West Huancheng Road, Fengxian District, 201401 Shanghai	Address:	2X93+4M6 PT. Blue Sky Solar Indonesia, Sungai Pelunggut, Kec. Sagulung, Kota Batam, Kepulauan Riau, 294425
Country:	P. R. China	Country:	Indonesia
Party Authorized To Apply Mark:	Same as Manufacturer		
Report Issuing Office:	Intertek Testing Services (Shanghai FTZ) Co., Ltd		
Control Number:	<u>5031846</u>	Authorized by:	 _____ for L. Matthew Snyder, Certification Manager



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Intertek Testing Services NA Inc.
545 East Algonquin Road, Arlington Heights, IL 60005
Telephone 800-345-3851 or 847-439-5667 Fax 312-283-1672

Standard(s):	Terrestrial Photovoltaic (PV) Modules - Design Qualification and Type Approval - Part 1: Test Requirements [UL 61215-1:2021 Ed.2]
	Terrestrial Photovoltaic (PV) Modules - Design Qualification and Type Approval - Part 1-1: Special Requirements for Testing of Crystalline Silicon Photovoltaic (PV) Modules [UL 61215-1-1:2021 Ed.2]
	Terrestrial Photovoltaic (PV) Modules - Design Qualification and Type Approval - Part 2: Test Procedures [UL 61215-2:2021 Ed.2]
	Photovoltaic (PV) Module Safety Qualification - Part 1: Requirements for Construction [UL 61730-1:2022 Ed.2]
	Photovoltaic (PV) Module Safety Qualification - Part 2: Requirements for Testing [UL 61730-2:2022 Ed.2+R:25Apr2023]
	Photovoltaic (PV) Module Safety Qualification - Part 1: Requirements for Construction [CSA C22.2#61730-1:2019 Ed.2]
	Photovoltaic (PV) Module Safety Qualification - Part 2: Requirements for Testing [CSA C22.2#61730-2:2019 Ed.2]
Product:	Crystalline Silicon Photovoltaic modules

Brand Name: JA SOLAR 晶澳

Models:

- JAM72D30- followed by 530, 535, 540, 545, 550 or 555; followed by /MB,
- JAM72D40- followed by 560, 565, 570, 575, 580, 585, 590, 595, 600, 605 or 610; followed by /MB,
- JAM54D40- followed by 415, 420, 425, 430, 435, 440, 445, 450 or 455; followed by /MB,
- JAM54D41- followed by 415, 420, 425, 430, 435 or 440; followed by /MB,
- JAM72D40- followed by 575, 580, 585, 590, 595, 600, 605, 610, 615 or 620; followed by /LB,
- JAM60D40- followed by 485, 490, 495, 500, 505, 510 or 515; followed by /LB,
- JAM54D40- followed by 420, 425, 430, 435, 440, 445, 450, 455, 460, 465, 470 or 475; followed by /LB,
- JAM54D41- followed by 420, 425, 430, 435, 440, 445, 450 or 455; followed by /LB,
- JAM72D42- followed by 605, 610, 615, 620, 625, 630, 635, 640, 645, 650 or 655; followed by /LB,
- JAM66D42- followed by 555, 560, 565, 570, 575, 580, 585, 590, 595 or 600; followed by /MB,
- JAM60D42- followed by 500, 505, 510, 515, 520, 525, 530, 535, 540 or 545; followed by /LB,
- JAM66D45- followed by 585, 590, 595, 600, 605, 610, 615, 620, 625, 630, 635, 640, 645 or 650; followed by /LB,
- JAM72D40- followed by 585, 590, 595 or 600; followed by /MB-US,
- JAM66D46- followed by 685, 690, 695, 700, 705, 710, 715, 720, 725 or 730; followed by /LB,
- JAM60D41- followed by 485, 490, 495, 500 or 505; followed by /LB.

This authorizes the application of the Certification Mark(s) shown below to the models described in the Product(s) Covered section when made in accordance with the conditions set forth in the Certification Agreement and Listing Report. This authorization also applies to multiple listee model(s) identified on the correlation page of the Listing Report.

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Applicant:	Shanghai JA Solar Technology Co., Ltd.	Manufacturer:	PT THORNOVA SOLAR INDONESIA
Address:	No. 118, Lane 3111, West Huancheng Road, Fengxian District, 201401 Shanghai	Address:	Jalan Brigjen Katamso, Kel. Tanjung Uncang, Kec. Batu Aji, Kota Batam, Provinsi Kepulauan Riau, Indonesia
Country:	P. R. China	Country:	Indonesia
Party Authorized To Apply Mark:	Same as Manufacturer		
Report Issuing Office:	Intertek Testing Services (Shanghai FTZ) Co., Ltd		
Control Number:	<u>5032398</u>	Authorized by:	 _____ for L. Matthew Snyder, Certification Manager



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Intertek Testing Services NA Inc.
545 East Algonquin Road, Arlington Heights, IL 60005
Telephone 800-345-3851 or 847-439-5667 Fax 312-283-1672

Standard(s):	Terrestrial Photovoltaic (PV) Modules - Design Qualification and Type Approval - Part 1: Test Requirements [UL 61215-1:2021 Ed.2]
	Terrestrial Photovoltaic (PV) Modules - Design Qualification and Type Approval - Part 1-1: Special Requirements for Testing of Crystalline Silicon Photovoltaic (PV) Modules [UL 61215-1-1:2021 Ed.2]
	Terrestrial Photovoltaic (PV) Modules - Design Qualification and Type Approval - Part 2: Test Procedures [UL 61215-2:2021 Ed.2]
	Photovoltaic (PV) Module Safety Qualification - Part 1: Requirements for Construction [UL 61730-1:2022 Ed.2]
	Photovoltaic (PV) Module Safety Qualification - Part 2: Requirements for Testing [UL 61730-2:2022 Ed.2+R:25Apr2023]
	Photovoltaic (PV) Module Safety Qualification - Part 1: Requirements for Construction [CSA C22.2#61730-1:2019 Ed.2]
	Photovoltaic (PV) Module Safety Qualification - Part 2: Requirements for Testing [CSA C22.2#61730-2:2019 Ed.2]
Product:	Crystalline Silicon Photovoltaic modules

Brand Name: JA SOLAR 晶澳

Models:

JAM72D30- followed by 530, 535, 540, 545, 550 or 555; followed by /MB,
JAM72D40- followed by 560, 565, 570, 575, 580, 585, 590, 595, 600, 605 or 610; followed by /MB,
JAM54D40- followed by 415, 420, 425, 430, 435, 440, 445, 450 or 455; followed by /MB,
JAM54D41- followed by 415, 420, 425, 430, 435 or 440; followed by /MB,
JAM72D40- followed by 575, 580, 585, 590, 595, 600, 605, 610, 615 or 620; followed by /LB,
JAM60D40- followed by 485, 490, 495, 500, 505, 510 or 515; followed by /LB,
JAM54D40- followed by 420, 425, 430, 435, 440, 445, 450, 455, 460, 465, 470 or 475; followed by /LB,
JAM54D41- followed by 420, 425, 430, 435, 440, 445, 450 or 455; followed by /LB,
JAM72D42- followed by 605, 610, 615, 620, 625, 630, 635, 640, 645, 650 or 655; followed by /LB,
JAM66D42- followed by 555, 560, 565, 570, 575, 580, 585, 590, 595 or 600; followed by /MB,
JAM60D42- followed by 500, 505, 510, 515, 520, 525, 530, 535, 540 or 545; followed by /LB,
JAM66D45- followed by 585, 590, 595, 600, 605, 610, 615, 620, 625, 630, 635, 640, 645 or 650; followed by /LB,
JAM72D40- followed by 585, 590, 595 or 600; followed by /MB-US,
JAM66D46- followed by 685, 690, 695, 700, 705, 710, 715, 720, 725 or 730; followed by /LB,
JAM60D41- followed by 485, 490, 495, 500 or 505; followed by /LB.

This authorizes the application of the Certification Mark(s) shown below to the models described in the Product(s) Covered section when made in accordance with the conditions set forth in the Certification Agreement and Listing Report. This authorization also applies to multiple listee model(s) identified on the correlation page of the Listing Report.

This document is the property of Intertek Testing Services and is not transferable. The certification mark(s) may be applied only at the location of the Party Authorized To Apply Mark.

Applicant:	Shanghai JA Solar Technology Co., Ltd.	Manufacturer:	PT DUNIA SOLAR INDONESIA
Address:	No. 118, Lane 3111, West Huancheng Road, Fengxian District, 201401 Shanghai	Address:	KERAPU ROAD NUMBER 12, Tanjung Sengkuang Village/Sub-district, Batu Ampar District, Batam City, Riau Islands Province, Indonesia
Country:	P. R. China	Country:	Indonesia
Party Authorized To Apply Mark:	Same as Manufacturer		
Report Issuing Office:	Intertek Testing Services (Shanghai FTZ) Co., Ltd		
Control Number:	<u>5032395</u>	Authorized by:	 _____ for L. Matthew Snyder, Certification Manager



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Intertek Testing Services NA Inc.
545 East Algonquin Road, Arlington Heights, IL 60005
Telephone 800-345-3851 or 847-439-5667 Fax 312-283-1672

Standard(s):	Terrestrial Photovoltaic (PV) Modules - Design Qualification and Type Approval - Part 1: Test Requirements [UL 61215-1:2021 Ed.2]
	Terrestrial Photovoltaic (PV) Modules - Design Qualification and Type Approval - Part 1-1: Special Requirements for Testing of Crystalline Silicon Photovoltaic (PV) Modules [UL 61215-1-1:2021 Ed.2]
	Terrestrial Photovoltaic (PV) Modules - Design Qualification and Type Approval - Part 2: Test Procedures [UL 61215-2:2021 Ed.2]
	Photovoltaic (PV) Module Safety Qualification - Part 1: Requirements for Construction [UL 61730-1:2022 Ed.2]
	Photovoltaic (PV) Module Safety Qualification - Part 2: Requirements for Testing [UL 61730-2:2022 Ed.2+R:25Apr2023]
	Photovoltaic (PV) Module Safety Qualification - Part 1: Requirements for Construction [CSA C22.2#61730-1:2019 Ed.2]
	Photovoltaic (PV) Module Safety Qualification - Part 2: Requirements for Testing [CSA C22.2#61730-2:2019 Ed.2]
Product:	Crystalline Silicon Photovoltaic modules

Brand Name: JA SOLAR 晶澳**Models:**

JAM72D30- followed by 530, 535, 540, 545, 550 or 555; followed by /MB,
JAM72D40- followed by 560, 565, 570, 575, 580, 585, 590, 595, 600, 605 or 610; followed by /MB,
JAM54D40- followed by 415, 420, 425, 430, 435, 440, 445, 450 or 455; followed by /MB,
JAM54D41- followed by 415, 420, 425, 430, 435 or 440; followed by /MB,
JAM72D40- followed by 575, 580, 585, 590, 595, 600, 605, 610, 615 or 620; followed by /LB,
JAM60D40- followed by 485, 490, 495, 500, 505, 510 or 515; followed by /LB,
JAM54D40- followed by 420, 425, 430, 435, 440, 445, 450, 455, 460, 465, 470 or 475; followed by /LB,
JAM54D41- followed by 420, 425, 430, 435, 440, 445, 450 or 455; followed by /LB,
JAM72D42- followed by 605, 610, 615, 620, 625, 630, 635, 640, 645, 650 or 655; followed by /LB,
JAM66D42- followed by 555, 560, 565, 570, 575, 580, 585, 590, 595 or 600; followed by /MB,
JAM60D42- followed by 500, 505, 510, 515, 520, 525, 530, 535, 540 or 545; followed by /LB,
JAM66D45- followed by 585, 590, 595, 600, 605, 610, 615, 620, 625, 630, 635, 640, 645 or 650; followed
by /LB,
JAM72D40- followed by 585, 590, 595 or 600; followed by /MB-US,
JAM66D46- followed by 685, 690, 695, 700, 705, 710, 715, 720, 725 or 730; followed by /LB,
JAM60D41- followed by 485, 490, 495, 500 or 505; followed by /LB.

This authorizes the application of the Certification Mark(s) shown below to the models described in the Product(s) Covered section when made in accordance with the conditions set forth in the Certification Agreement and Listing Report. This authorization also applies to multiple listee model(s) identified on the correlation page of the Listing Report.

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Applicant:	Shanghai JA Solar Technology Co., Ltd.	Manufacturer:	VIETNAM SUNERGY JOINT STOCK COMPANY
Address:	No. 118, Lane 3111, West Huancheng Road, Fengxian District, 201401 Shanghai	Address:	Lot CN53, Thuan Thanh II Industrial Park, An Binh Commune, Thuan Thanh District, Bac Ninh Province, Vietnam
Country:	P. R. China	Country:	Vietnam
Party Authorized To Apply Mark:	Same as Manufacturer		
Report Issuing Office:	Intertek Testing Services (Shanghai FTZ) Co., Ltd		
Control Number:	<u>5032399</u>	Authorized by:	 _____ for L. Matthew Snyder, Certification Manager



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This Authorization to Mark is for the exclusive use of Intertek's Client and is provided pursuant to the Certification agreement between Intertek and its Client. Intertek's responsibility and liability are limited to the terms and conditions of the agreement. Intertek assumes no liability to any party, other than to the Client in accordance with the agreement, for any loss, expense or damage occasioned by the use of this Authorization to Mark. Only the Client is authorized to permit copying or distribution of this Authorization to Mark and then only in its entirety. Use of Intertek's Certification mark is restricted to the conditions laid out in the agreement and in this Authorization to Mark. Any further use of the Intertek name for the sale or advertisement of the tested material, product or service must first be approved in writing by Intertek. Initial Factory Assessments and Follow up Services are for the purpose of assuring appropriate usage of the Certification mark in accordance with the agreement, they are not for the purposes of production quality control and do not relieve the Client of their obligations in this respect.

Intertek Testing Services NA Inc.
545 East Algonquin Road, Arlington Heights, IL 60005
Telephone 800-345-3851 or 847-439-5667 Fax 312-283-1672

Standard(s):	Terrestrial Photovoltaic (PV) Modules - Design Qualification and Type Approval - Part 1: Test Requirements [UL 61215-1:2021 Ed.2]
	Terrestrial Photovoltaic (PV) Modules - Design Qualification and Type Approval - Part 1-1: Special Requirements for Testing of Crystalline Silicon Photovoltaic (PV) Modules [UL 61215-1-1:2021 Ed.2]
	Terrestrial Photovoltaic (PV) Modules - Design Qualification and Type Approval - Part 2: Test Procedures [UL 61215-2:2021 Ed.2]
	Photovoltaic (PV) Module Safety Qualification - Part 1: Requirements for Construction [UL 61730-1:2022 Ed.2]
	Photovoltaic (PV) Module Safety Qualification - Part 2: Requirements for Testing [UL 61730-2:2022 Ed.2+R:25Apr2023]
	Photovoltaic (PV) Module Safety Qualification - Part 1: Requirements for Construction [CSA C22.2#61730-1:2019 Ed.2]
	Photovoltaic (PV) Module Safety Qualification - Part 2: Requirements for Testing [CSA C22.2#61730-2:2019 Ed.2]
Product:	Crystalline Silicon Photovoltaic modules

Brand Name: JA SOLAR 晶澳**Models:**

JAM72D30- followed by 530, 535, 540, 545, 550 or 555; followed by /MB,
JAM72D40- followed by 560, 565, 570, 575, 580, 585, 590, 595, 600, 605 or 610; followed by /MB,
JAM54D40- followed by 415, 420, 425, 430, 435, 440, 445, 450 or 455; followed by /MB,
JAM54D41- followed by 415, 420, 425, 430, 435 or 440; followed by /MB,
JAM72D40- followed by 575, 580, 585, 590, 595, 600, 605, 610, 615 or 620; followed by /LB,
JAM60D40- followed by 485, 490, 495, 500, 505, 510 or 515; followed by /LB,
JAM54D40- followed by 420, 425, 430, 435, 440, 445, 450, 455, 460, 465, 470 or 475; followed by /LB,
JAM54D41- followed by 420, 425, 430, 435, 440, 445, 450 or 455; followed by /LB,
JAM72D42- followed by 605, 610, 615, 620, 625, 630, 635, 640, 645, 650 or 655; followed by /LB,
JAM66D42- followed by 555, 560, 565, 570, 575, 580, 585, 590, 595 or 600; followed by /MB,
JAM60D42- followed by 500, 505, 510, 515, 520, 525, 530, 535, 540 or 545; followed by /LB,
JAM66D45- followed by 585, 590, 595, 600, 605, 610, 615, 620, 625, 630, 635, 640, 645 or 650; followed
by /LB,
JAM72D40- followed by 585, 590, 595 or 600; followed by /MB-US,
JAM66D46- followed by 685, 690, 695, 700, 705, 710, 715, 720, 725 or 730; followed by /LB,
JAM60D41- followed by 485, 490, 495, 500 or 505; followed by /LB.

This authorizes the application of the Certification Mark(s) shown below to the models described in the Product(s) Covered section when made in accordance with the conditions set forth in the Certification Agreement and Listing Report. This authorization also applies to multiple listee model(s) identified on the correlation page of the Listing Report.

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Applicant:	Shanghai JA Solar Technology Co., Ltd.	Manufacturer:	Solarspace Technology (Laos) Sole Co.,Ltd.
Address:	No. 118, Lane 3111, West Huancheng Road, Fengxian District, 201401 Shanghai	Address:	NANO VILLAGE, SAYSETTHA DEVELOPMENT ZONE, SAYSETTHA DISTRICT, VIENTIANE CAPITAL, LAO PDR
Country:	P. R. China	Country:	Laos
Party Authorized To Apply Mark:	Same as Manufacturer		
Report Issuing Office:	Intertek Testing Services (Shanghai FTZ) Co., Ltd		
Control Number:	<u>5032397</u>	Authorized by:	 _____ for L. Matthew Snyder, Certification Manager



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Intertek Testing Services NA Inc.
545 East Algonquin Road, Arlington Heights, IL 60005
Telephone 800-345-3851 or 847-439-5667 Fax 312-283-1672

Standard(s):	Terrestrial Photovoltaic (PV) Modules - Design Qualification and Type Approval - Part 1: Test Requirements [UL 61215-1:2021 Ed.2]
	Terrestrial Photovoltaic (PV) Modules - Design Qualification and Type Approval - Part 1-1: Special Requirements for Testing of Crystalline Silicon Photovoltaic (PV) Modules [UL 61215-1-1:2021 Ed.2]
	Terrestrial Photovoltaic (PV) Modules - Design Qualification and Type Approval - Part 2: Test Procedures [UL 61215-2:2021 Ed.2]
	Photovoltaic (PV) Module Safety Qualification - Part 1: Requirements for Construction [UL 61730-1:2022 Ed.2]
	Photovoltaic (PV) Module Safety Qualification - Part 2: Requirements for Testing [UL 61730-2:2022 Ed.2+R:25Apr2023]
	Photovoltaic (PV) Module Safety Qualification - Part 1: Requirements for Construction [CSA C22.2#61730-1:2019 Ed.2]
	Photovoltaic (PV) Module Safety Qualification - Part 2: Requirements for Testing [CSA C22.2#61730-2:2019 Ed.2]
Product:	Crystalline Silicon Photovoltaic modules

Brand Name: JA SOLAR 晶澳**Models:**

JAM72D30- followed by 530, 535, 540, 545, 550 or 555; followed by /MB,
JAM72D40- followed by 560, 565, 570, 575, 580, 585, 590, 595, 600, 605 or 610; followed by /MB,
JAM54D40- followed by 415, 420, 425, 430, 435, 440, 445, 450 or 455; followed by /MB,
JAM54D41- followed by 415, 420, 425, 430, 435 or 440; followed by /MB,
JAM72D40- followed by 575, 580, 585, 590, 595, 600, 605, 610, 615 or 620; followed by /LB,
JAM60D40- followed by 485, 490, 495, 500, 505, 510 or 515; followed by /LB,
JAM54D40- followed by 420, 425, 430, 435, 440, 445, 450, 455, 460, 465, 470 or 475; followed by /LB,
JAM54D41- followed by 420, 425, 430, 435, 440, 445, 450 or 455; followed by /LB,
JAM72D42- followed by 605, 610, 615, 620, 625, 630, 635, 640, 645, 650 or 655; followed by /LB,
JAM66D42- followed by 555, 560, 565, 570, 575, 580, 585, 590, 595 or 600; followed by /MB,
JAM60D42- followed by 500, 505, 510, 515, 520, 525, 530, 535, 540 or 545; followed by /LB,
JAM66D45- followed by 585, 590, 595, 600, 605, 610, 615, 620, 625, 630, 635, 640, 645 or 650; followed
by /LB,
JAM72D40- followed by 585, 590, 595 or 600; followed by /MB-US,
JAM66D46- followed by 685, 690, 695, 700, 705, 710, 715, 720, 725 or 730; followed by /LB,
JAM60D41- followed by 485, 490, 495, 500 or 505; followed by /LB.

This authorizes the application of the Certification Mark(s) shown below to the models described in the Product(s) Covered section when made in accordance with the conditions set forth in the Certification Agreement and Listing Report. This authorization also applies to multiple listee model(s) identified on the correlation page of the Listing Report.

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Applicant:	Shanghai JA Solar Technology Co., Ltd.	Manufacturer:	HOUNEN SOLAR AMERICA INC
Address:	No. 118, Lane 3111, West Huancheng Road, Fengxian District, 201401 Shanghai	Address:	145 MILLENNIUM DR ORANGEBURG, SC, 29115, United States
Country:	P. R. China	Country:	United States
Party Authorized To Apply Mark:	Same as Manufacturer		
Report Issuing Office:	Intertek Testing Services (Shanghai FTZ) Co., Ltd		
Control Number:	<u>5033356</u>	Authorized by:	 _____ for L. Matthew Snyder, Certification Manager



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Intertek Testing Services NA Inc.
545 East Algonquin Road, Arlington Heights, IL 60005
Telephone 800-345-3851 or 847-439-5667 Fax 312-283-1672

Standard(s):	Terrestrial Photovoltaic (PV) Modules - Design Qualification and Type Approval - Part 1: Test Requirements [UL 61215-1:2021 Ed.2]
	Terrestrial Photovoltaic (PV) Modules - Design Qualification and Type Approval - Part 1-1: Special Requirements for Testing of Crystalline Silicon Photovoltaic (PV) Modules [UL 61215-1-1:2021 Ed.2]
	Terrestrial Photovoltaic (PV) Modules - Design Qualification and Type Approval - Part 2: Test Procedures [UL 61215-2:2021 Ed.2]
	Photovoltaic (PV) Module Safety Qualification - Part 1: Requirements for Construction [UL 61730-1:2022 Ed.2]
	Photovoltaic (PV) Module Safety Qualification - Part 2: Requirements for Testing [UL 61730-2:2022 Ed.2+R:25Apr2023]
	Photovoltaic (PV) Module Safety Qualification - Part 1: Requirements for Construction [CSA C22.2#61730-1:2019 Ed.2]
	Photovoltaic (PV) Module Safety Qualification - Part 2: Requirements for Testing [CSA C22.2#61730-2:2019 Ed.2]
Product:	Crystalline Silicon Photovoltaic modules

Brand Name: JA SOLAR 晶澳

Models:

JAM72D30- followed by 530, 535, 540, 545, 550 or 555; followed by /MB,
JAM72D40- followed by 560, 565, 570, 575, 580, 585, 590, 595, 600, 605 or 610; followed by /MB,
JAM54D40- followed by 415, 420, 425, 430, 435, 440, 445, 450 or 455; followed by /MB,
JAM54D41- followed by 415, 420, 425, 430, 435 or 440; followed by /MB,
JAM72D40- followed by 575, 580, 585, 590, 595, 600, 605, 610, 615 or 620; followed by /LB,
JAM60D40- followed by 485, 490, 495, 500, 505, 510 or 515; followed by /LB,
JAM54D40- followed by 420, 425, 430, 435, 440, 445, 450, 455, 460, 465, 470 or 475; followed by /LB,
JAM54D41- followed by 420, 425, 430, 435, 440, 445, 450 or 455; followed by /LB,
JAM72D42- followed by 605, 610, 615, 620, 625, 630, 635, 640, 645, 650 or 655; followed by /LB,
JAM66D42- followed by 555, 560, 565, 570, 575, 580, 585, 590, 595 or 600; followed by /MB,
JAM60D42- followed by 500, 505, 510, 515, 520, 525, 530, 535, 540 or 545; followed by /LB,
JAM66D45- followed by 585, 590, 595, 600, 605, 610, 615, 620, 625, 630, 635, 640, 645 or 650; followed by /LB,
JAM72D40- followed by 585, 590, 595 or 600; followed by /MB-US,
JAM66D46- followed by 685, 690, 695, 700, 705, 710, 715, 720, 725 or 730; followed by /LB,
JAM60D41- followed by 485, 490, 495, 500 or 505; followed by /LB.

This authorizes the application of the Certification Mark(s) shown below to the models described in the Product(s) Covered section when made in accordance with the conditions set forth in the Certification Agreement and Listing Report. This authorization also applies to multiple listee model(s) identified on the correlation page of the Listing Report.

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UNOFFICIAL

Applicant: Shanghai JA Solar Technology Co., Ltd. **Manufacturer:** IC Star Solar (USA) LLC

Address: No. 118, Lane 3111, West Huancheng Road, Fengxian District, 201401 Shanghai **Address:** 19200 Hamish Road, Tomball, Texas 77377

Country: P. R. China **Country:** United States

Party Authorized To Apply Mark: Same as Manufacturer

Report Issuing Office: Intertek Testing Services (Shanghai FTZ) Co., Ltd

Control Number: 5033747 **Authorized by:** _____
for L. Matthew Snyder, Certification Manager



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Intertek Testing Services NA Inc.
545 East Algonquin Road, Arlington Heights, IL 60005
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	Terrestrial Photovoltaic (PV) Modules - Design Qualification and Type Approval - Part 1: Test Requirements [UL 61215-1:2021 Ed.2]
	Terrestrial Photovoltaic (PV) Modules - Design Qualification and Type Approval - Part 1-1: Special Requirements for Testing of Crystalline Silicon Photovoltaic (PV) Modules [UL 61215-1-1:2021 Ed.2]
	Terrestrial Photovoltaic (PV) Modules - Design Qualification and Type Approval - Part 2: Test Procedures [UL 61215-2:2021 Ed.2]
Standard(s):	Photovoltaic (PV) Module Safety Qualification - Part 1: Requirements for Construction [UL 61730-1:2022 Ed.2]
	Photovoltaic (PV) Module Safety Qualification - Part 2: Requirements for Testing [UL 61730-2:2022 Ed.2+R:25Apr2023]
	Photovoltaic (PV) Module Safety Qualification - Part 1: Requirements for Construction [CSA C22.2#61730-1:2019 Ed.2]
	Photovoltaic (PV) Module Safety Qualification - Part 2: Requirements for Testing [CSA C22.2#61730-2:2019 Ed.2]
Product:	Crystalline Silicon Photovoltaic modules

Brand Name: JA SOLAR 晶澳

Models:

JAM72D30- followed by 530, 535, 540, 545, 550 or 555; followed by /MB,
JAM72D40- followed by 560, 565, 570, 575, 580, 585, 590, 595, 600, 605 or 610; followed by /MB,
JAM54D40- followed by 415, 420, 425, 430, 435, 440, 445, 450 or 455; followed by /MB,
JAM54D41- followed by 415, 420, 425, 430, 435 or 440; followed by /MB,
JAM72D40- followed by 575, 580, 585, 590, 595, 600, 605, 610, 615 or 620; followed by /LB,
JAM60D40- followed by 485, 490, 495, 500, 505, 510 or 515; followed by /LB,
JAM54D40- followed by 420, 425, 430, 435, 440, 445, 450, 455, 460, 465, 470 or 475; followed by /LB,
JAM54D41- followed by 420, 425, 430, 435, 440, 445, 450 or 455; followed by /LB,
JAM72D42- followed by 605, 610, 615, 620, 625, 630, 635, 640, 645, 650 or 655; followed by /LB,
JAM66D42- followed by 555, 560, 565, 570, 575, 580, 585, 590, 595 or 600; followed by /MB,
JAM60D42- followed by 500, 505, 510, 515, 520, 525, 530, 535, 540 or 545; followed by /LB,
JAM66D45- followed by 585, 590, 595, 600, 605, 610, 615, 620, 625, 630, 635, 640, 645 or 650; followed by /LB,
JAM72D40- followed by 585, 590, 595 or 600; followed by /MB-US,
JAM66D46- followed by 685, 690, 695, 700, 705, 710, 715, 720, 725 or 730; followed by /LB,
JAM60D41- followed by 485, 490, 495, 500 or 505; followed by /LB.