



Certificate of Factory Production Control

This certificate has been issued to

Shanghai JA Solar Technology Co., Ltd.

of

No.118, Lane 3111
West Huancheng Road
Fengxian District
201401 Shanghai
People's Republic of China

whose production management system has been assessed and found to comply with the Factory Production Control Requirements of the MCS Product Certification Scheme in respect of:

Production of Photovoltaic Solar Panels

at the address(s) listed on the Annex of this certificate

and includes the ranges of
Photovoltaic Solar Panels
as detailed
on the attached annex to this certificate

Signed: 

on behalf of TUV SUD BABT UNLIMITED

Certificate Number: BABT 8515 R29

Valid from: 06 November 2020

This Certificate expires on: 13 October 2022



The holder of this certificate is authorised to use the MCS Approved Product Mark. This certificate has been issued in accordance with the Testing and Certification Regulations of TÜV SÜD. Conditions of validity of this certificate, if any, are listed in the Annex. This certificate constitutes page 1 of the combined Certificate and Annex.

For further details related to this certification please contact BABT@tuv-sud.co.uk

Annex to Factory Production Control Requirement Microgeneration Certification Scheme



1 Manufacturing Location

Facility 1	Facility 2	Facility 3
Shanghai JA Solar Technology Co., Ltd. No.118, Lane 3111, West Huancheng Road, Fengxian District, 201401 Shanghai, People's Republic of China	Hefei JA Solar Technology Co., Ltd. No.999, Changning Road, Hi-tech Zone, Hefei City, 230088 Anhui Province, People's Republic of China	Vina Solar Technology Co., Ltd. E12 factory, Lot CN-03, Van Trung Industrial Park, 21000 Bac Giang Province, Vietnam
Facility 4	Facility 5	Facility 6
JA Solar (Xingtai) Co., Ltd. No.1688, Chang An Road, Xingtai Economic Development Area, Xingtai City, 054000 Hebei Province, People's Republic of China	JA Solar New Energy Yangzhou Co., Ltd. No.1, Jianhua Road, Economic Development Zone, 225000 Yangzhou City, Jiangsu Province, People's Republic of China	Yiwu JA Solar Technology Co., Ltd. No.165, Tongze Road, Yiting Town, Yiwu City, 322000 Zhejiang Province, People's Republic of China

2 Established Conformity

2.1 Product Certification Scheme Requirements

Microgeneration Certification Scheme	Revision	Applicability
MCS 005 – Solar Photovoltaic Modules	Issue 3.1	<input checked="" type="checkbox"/>
MCS 010 – Factory Production Control Requirements	Issue 1.5	<input checked="" type="checkbox"/>
MCS 012 – Pitched Roof Installation Kits	Issue N/A	<input type="checkbox"/>
MCS 017 – Bespoke Building Integrated Photovoltaic Products	Issue N/A	<input type="checkbox"/>

2.2 Assessment Report

Assessment Report Number	Issue Number	Issue Date
BABT 8515 R29	1	03-11-2020

3 Technical Documentation

3.1 User Guide

Installation Manual for JA Solar Photovoltaic Modules Version 3.6	Dated	21/10/2020
Installation Manual for JA Solar Photovoltaic Modules Version 2.9	Dated	14/07/2020

3.2 Test Reports

704061255401-00	Issued	28/12/2016
704061604115-00	Issued	28/12/2016
704061604115-02	Issued	23/06/2017
704061604115-03	Issued	03/07/2017
704061604115-04	Issued	21/08/2017
704061604115-05	Issued	01/09/2017

Annex to Factory Production Control Requirement Microgeneration Certification Scheme



704061604115-06	Issued	05/09/2017
704061604115-06 A1	Issued	29/09/2017
704061604115-06 A2	Issued	21/11/2017
704061604115-07	Issued	09/01/2018
704061604115-08	Issued	23/01/2018
704061604115-08 A1	Issued	29/03/2018
704061604115-08 A2	Issued	21/12/2017
704061604115-08 A3	Issued	02/04/2018
704061604115-09	Issued	08/04/2018
704061604115-10	Issued	16/04/2018
704061604115-11	Issued	07/05/2018
704061604115-11 A1	Issued	11/06/2018
704061604115-11 A2	Issued	24/07/2018
704061604115-11 A3	Issued	06/07/2018
704061604115-11 A6	Issued	23/07/2018
704061604115-11 A7	Issued	30/07/2018
704061604115-11 A8	Issued	02/08/2018
704061604115-11 A9	Issued	04/09/2018
704061604115-11 A10	Issued	14/09/2018
704061604115-11 A11	Issued	19/09/2018
704061604115-11 A12	Issued	31/08/2018
704061604115-12 A1	Issued	12/10/2018
704061604115-13	Issued	31/10/2018
704061604115-13 A1	Issued	08/11/2018
704061604115-14	Issued	30/11/2018
704061604115-14 A1	Issued	02/01/2019
704061604115-14 A3	Issued	28/02/2019
704061604115-14 A4	Issued	07/03/2019
704061604115-15	Issued	18/03/2019
704061604115-15 A1	Issued	13/03/2019
704061604115-15 A2	Issued	29/03/2019
704061604115-16	Issued	08/04/2019
704061604115-17	Issued	23/04/2019
704061604115-18	Issued	30/04/2019
704061604115-18 A1	Issued	09/05/2019
704061604115-18 A2	Issued	10/05/2019
704061604115-18 A3	Issued	31/05/2019
704061604115-19	Issued	31/05/2019
704061604115-20	Issued	11/06/2019
704061604115-20A1	Issued	21/06/2019
704061604115-21	Issued	24/06/2019
704061604115-21 A1	Issued	17/07/2019
704061604115-22	Issued	12/08/2019
704061604115-23	Issued	11/09/2019
704061604115-24	Issued	18/09/2019
704061604115-25	Issued	20/09/2019
704061604115-25 A1	Issued	27/09/2019
704061604115-28	Issued	17/01/2020
704061604115-30	Issued	05/02/2020
704061604115-31	Issued	21/02/2020
704061604115-34	Issued	13/04/2020
704061604115-40	Issued	23/06/2020
704061604115-41	Issued	14/07/2020
704061604115-45	Issued	29/09/2020
704061604126-01	Issued	15/07/2017
704061604126-01 A1	Issued	21/08/2017
704061604126-02	Issued	05/09/2017
704061604126-02 A1	Issued	29/09/2017
704061604126-03	Issued	27/10/2017

Annex to Factory Production Control Requirement Microgeneration Certification Scheme



704061604126-04	Issued	15/11/2017
704061604126-04 A1	Issued	21/11/2017
704061604126-04 A2	Issued	29/03/2018
704061604126-04 A3	Issued	29/03/2018
704061604126-04 A4	Issued	02/04/2018
704061604126-05	Issued	08/04/2018
704061604126-06	Issued	16/04/2018
704061604126-07	Issued	23/04/2018
704061604126-07 A1	Issued	09/05/2018
704061604126-07 A2	Issued	25/06/2018
704061604126-07 A3	Issued	19/06/2018
704061604126-07 A4	Issued	24/07/2018
704061604126-07 A5	Issued	06/07/2018
704061604126-07 A7	Issued	23/07/2018
704061604126-08	Issued	26/07/2018
704061604126-08 A1	Issued	30/07/2018
704061604126-08 A2	Issued	30/08/2018
704061604126-08 A3	Issued	07/09/2018
704061604126-08 A4	Issued	14/09/2018
704061604126-08 A5	Issued	21/09/2018
704061604126-08 A6	Issued	31/08/2018
704061604126-08 A7	Issued	12/10/2018
704061604126-08 A8	Issued	02/11/2018
704061604126-08 A9	Issued	05/11/2018
704061604126-09	Issued	30/11/2018
704061604126-09 A1	Issued	02/01/2019
704061604126-09 A3	Issued	28/02/2019
704061604126-10	Issued	18/03/2019
704061604126-11	Issued	08/04/2019
704061604126-12 A1	Issued	05/05/2019
704061604126-12 A2	Issued	10/05/2019
704061604126-13	Issued	31/05/2019
704061604126-14	Issued	11/06/2019
704061604126-15	Issued	24/06/2019
704061604126-16	Issued	17/07/2019
704061604126-17	Issued	12/08/2019
704061604126-18	Issued	11/09/2019
704061604126-19	Issued	20/09/2019
704061800710-01	Issued	29/09/2019

4 Products Within Scope of Certification

4.1 MCS 005 Issue 3.1: Solar Photovoltaic Modules

Product Type	Product Name ^{Note 1}	Power Range (W)	Certification Number
Monocrystalline	JAM60S02-xxx/PR	285-325 (in steps of 5)	BABT 8515-112-R2
Monocrystalline	JAM72S02-xxx/PR	345-390 (in steps of 5)	BABT 8515-113-R2
Polycrystalline	JAP60S01-xxx/SC	255-290 (in steps of 5)	BABT 8515-120-R2
Polycrystalline	JAP72S01-xxx/SC	315-345 (in steps of 5)	BABT 8515-121-R2
Polycrystalline	JAP60S04-xxx/SC	270-290 (in steps of 5)	BABT 8515-122-R2
Monocrystalline	JAM60S03-xxx/PR	300-335 (in steps of 5)	BABT 8515-126-R1
Monocrystalline	JAM72S03-xxx/PR	360-400 (in steps of 5)	BABT 8515-127-R1
Monocrystalline	JAM60S04-xxx/PR	300-315 (in steps of 5)	BABT 8515-128-R1

Annex to Factory Production Control Requirement Microgeneration Certification Scheme



Product Type	Product Name ^{Note 1}	Power Range (W)	Certification Number
Monocrystalline	JAM72S04-xxx/PR	360-380 (in steps of 5)	BABT 8515-131-R1
Polycrystalline	JAP72S04-xxx/SC	325-345 (in steps of 5)	BABT 8515-138-R1
Monocrystalline	JAM60D00-xxx/PR	285-320 (in steps of 5)	BABT 8515-139-R2
Monocrystalline	JAM72D00-xxx/PR	340-385 (in steps of 5)	BABT 8515-140-R2
Monocrystalline	JAM60S08-xxx/PR	300-335 (in steps of 5)	BABT 8515-147-R1
Monocrystalline	JAM72S08-xxx/PR	360-400 (in steps of 5)	BABT 8515-148-R1
Monocrystalline	JAM60S01-xxx/MR	305-330 (in steps of 5)	BABT 8515-149-R1
Monocrystalline	JAM72S01-xxx/MR	365-390 (in steps of 5)	BABT 8515-150-R1
Monocrystalline	JAM60S01-xxx/PR	285-325 (in steps of 5)	BABT 8515-110-R3
Monocrystalline	JAM72S01-xxx/PR	345-390 (in steps of 5)	BABT 8515-111-R3
Monocrystalline	JAM60S09-xxx/PR	310-335 (in steps of 5)	BABT 8515-151-R2
Monocrystalline	JAM60S12-xxx/PR	305-330 (in steps of 5)	BABT 8515-155-R1
Monocrystalline	JAM60S17-xxx/PR	315-325 (in steps of 5)	BABT 8515-163-R1
Monocrystalline	JAM60S17-xxx/MR	315-325 (in steps of 5)	BABT 8515-164-R1
Monocrystalline	JAM60D09-xxx/BP	300-340 (in steps of 5)	BABT 8515-157-R1
Monocrystalline	JAM72D09-xxx/BP	360-400 (in steps of 5)	BABT 8515-158-R2
Polycrystalline	JAP60S09-xxx/SC	265-290 (in steps of 5)	BABT 8515-159-R1
Polycrystalline	JAP72S09-xxx/SC	320-345 (in steps of 5)	BABT 8515-162-R1
Monocrystalline	JAM60S10-xxx/MR	325-345 (in steps of 5)	BABT 8515-165-R1
Monocrystalline	JAM72S10-xxx/MR	390-420 (in steps of 5)	BABT 8515-166-R1
Monocrystalline	JAM72S09-xxx/PR	370-405 (in steps of 5)	BABT 8515-167-R1
Monocrystalline	JAM72S10-xxx/PR	380-410 (in steps of 5)	BABT 8515-199
Monocrystalline	JAM60S10-xxx/PR	315-345 (in steps of 5)	BABT 8515-200
Polycrystalline	JAP72S01-xxx/PR	330-345 (in steps of 5)	BABT 8515-168
Polycrystalline	JAP60S01-xxx/PR	275-285 (in steps of 5)	BABT 8515-169
Polycrystalline	JAP72S01-xxx/MS	325-340 (in steps of 5)	BABT 8515-170
Polycrystalline	JAP72S03-xxx/MS	320-345 (in steps of 5)	BABT 8515-171
Polycrystalline	JAP72S02-xxx/SC	310-345 (in steps of 5)	BABT 8515-172
Polycrystalline	JAP60S02-xxx/SC	255-290 (in steps of 5)	BABT 8515-136-R1
Polycrystalline	JAP72S02-xxx/PR	330-345 (in steps of 5)	BABT 8515-173
Polycrystalline	JAP60S02-xxx/PR	275-285 (in steps of 5)	BABT 8515-174
Polycrystalline	JAP72S08-xxx/SC	320-345 (in steps of 5)	BABT 8515-175
Polycrystalline	JAP60S08-xxx/SC	270-290 (in steps of 5)	BABT 8515-176
Polycrystalline	JAP72S08-xxx/PR	335-355 (in steps of 5)	BABT 8515-177
Polycrystalline	JAP60S08-xxx/PR	280-295 (in steps of 5)	BABT 8515-178
Polycrystalline	JAP72D00-xxx/SC	310-340 (in steps of 5)	BABT 8515-146-R1
Polycrystalline	JAP60D00-xxx/SC	260-285 (in steps of 5)	BABT 8515-145-R1

Annex to Factory Production Control Requirement Microgeneration Certification Scheme



Product Type	Product Name ^{Note 1}	Power Range (W)	Certification Number
Polycrystalline	JAP72D00-xxx/PR	330-345 (in steps of 5)	BABT 8515-179
Polycrystalline	JAP60D00-xxx/PR	275-290 (in steps of 5)	BABT 8515-180
Polycrystalline	JAP72D09-xxx/SC	330-345 (in steps of 5)	BABT 8515-181
Polycrystalline	JAP60D09-xxx/SC	275-290 (in steps of 5)	BABT 8515-182
Monocrystalline	JAM78S10-xxx/MR	410-455 (in steps of 5)	BABT 8515-183
Monocrystalline	JAM66S10-xxx/MR	345-380 (in steps of 5)	BABT 8515-184
Monocrystalline	JAM72S02-xxx/MR	365-385 (in steps of 5)	BABT 8515-185
Monocrystalline	JAM60S02-xxx/MR	305-320 (in steps of 5)	BABT 8515-186
Monocrystalline	JAM72S12-xxx/PR	365-380 (in steps of 5)	BABT 8515-187
Monocrystalline	JAM72S17-xxx/PR	380-390 (in steps of 5)	BABT 8515-188
Monocrystalline	JAM72S17-xxx/MR	390-395 (in steps of 5)	BABT 8515-189
Monocrystalline	JAM72D00-xxx/MB	370-380 (in steps of 5)	BABT 8515-190
Monocrystalline	JAM60D00-xxx/MB	310-315 (in steps of 5)	BABT 8515-191
Monocrystalline	JAM72D10-xxx/MB	385-410 (in steps of 5)	BABT 8515-192
Monocrystalline	JAM60D10-xxx/MB	320-340 (in steps of 5)	BABT 8515-193
Monocrystalline	JAM60S13-xxx/PR	310-330 (in steps of 5)	BABT 8515-194
Monocrystalline	JAM72S18-xxx/PR	370-405 (in steps of 5)	BABT 8515-195
Monocrystalline	JAM60S18-xxx/PR	310-335 (in steps of 5)	BABT 8515-196
Polycrystalline	JAP72S01-xxx/MS	325-340 (in steps of 5)	BABT 8515-197
Polycrystalline	JAP60S01-xxx/MS	270-280 (in steps of 5)	BABT 8515-198
Polycrystalline	JAP72S03-xxx/SC	320-345 (in steps of 5)	BABT 8515-137-R1
Polycrystalline	JAP60S03-xxx/SC	270-290 (in steps of 5)	BABT 8515-135-R1
Polycrystalline	JAP72S03-xxx/PR	335-355 (in steps of 5)	BABT 8515-134-R1
Polycrystalline	JAP60S03-xxx/PR	280-295 (in steps of 5)	BABT 8515-133-R1
Polycrystalline	JAP72S10-xxx/SC	335-350 (in steps of 5)	BABT 8515-160
Polycrystalline	JAP60S10-xxx/SC	275-290 (in steps of 5)	BABT 8515-161
Monocrystalline	JAM60D00-xxx/BP	275-320 (in steps of 5)	BABT 8515-143-R1
Monocrystalline	JAM72D00-xxx/BP	330-385 (in steps of 5)	BABT 8515-144-R1
Monocrystalline	JAM72S10-xxx/MB	395-415 (in steps of 5)	BABT 8515-201
Monocrystalline	JAM60S10-xxx/MB	330-345 (in steps of 5)	BABT 8515-202
Monocrystalline	JAM72S10-xxx/BP	385-400 (in steps of 5)	BABT 8515-203
Monocrystalline	JAM60S10-xxx/BP	320-330 (in steps of 5)	BABT 8515-204
Monocrystalline	JAM72S09-xxx/BP	375-385 (in steps of 5)	BABT 8515-205
Monocrystalline	JAM60S09-xxx/BP	315-320 (in steps of 5)	BABT 8515-206
Monocrystalline	JAM72S20-xxx/MR	430-470 (in steps of 5)	BABT 8515-207-R27
Monocrystalline	JAM60S20-xxx/MR	355-390 (in steps of 5)	BABT 8515-208-R27
Monocrystalline	JAM78S10-xxx/MR	435-455 (in steps of 5)	BABT 8515-209

Annex to Factory Production Control Requirement Microgeneration Certification Scheme



Product Type	Product Name ^{Note 1}	Power Range (W)	Certification Number
Monocrystalline	JAM60S17-xxx/MR	330-335 (in steps of 5)	BABT 8515-210
Monocrystalline	JAM72D10-415/MB	415	BABT 8515-211
Monocrystalline	JAM60D10-345/MB	345	BABT 8515-212
Monocrystalline	JAM72D20-xxx/MB	430-465 (in steps of 5)	BABT 8515-213-R27
Monocrystalline	JAM60D20-xxx/MB	355-385 (in steps of 5)	BABT 8515-214-R27
Monocrystalline	JAM78D10-xxx/MB	440-450 (in steps of 5)	BABT 8515-215
Monocrystalline	JAM66D10-xxx/MB	360-380 (in steps of 5)	BABT 8515-216
Monocrystalline	JAM72S01-xxx/PR/1000V	345-390 (in steps of 5)	BABT 8515-217
Monocrystalline	JAM72S30-xxx/MR	510-550 (in steps of 5)	BABT 8515-218
Monocrystalline	JAM66S30-xxx/MR	470-505 (in steps of 5)	BABT 8515-219
Monocrystalline	JAM60S30-xxx/MR	435-460 (in steps of 5)	BABT 8515-220
Monocrystalline	JAM72D30-xxx/MB	505-545 (in steps of 5)	BABT 8515-221
Monocrystalline	JAM66D30-xxx/MB	465-500 (in steps of 5)	BABT 8515-222
Monocrystalline	JAM60D30-xxx/MB	435-455 (in steps of 5)	BABT 8515-223
Monocrystalline	JAM60S21-xxx/MR	355-375 (in steps of 5)	BABT 8515-224

Note 1: where xxx = power rating in W

5 Additional Information


All products within the scope of this certification shall be listed on the MCS Installations Database for the duration of this certificates validity. The database shall contain an entry for each individual power rating for the certified product, where the power rating shall be suffixed to the certificate number as listed on this certificate.

6 Conditions of Validity

This certificate authorizes the manufacturer or their authorized representative to apply the MCS Approved Product Mark to the range of products listed within this certification in accordance with the MCS Manufacturers / Distributors agreement dated **07-05-2020**.

This certificate ceases to be valid if the manufacturer makes any changes or modifications to the approved equipment or the approved quality system, which have not been notified to, and agreed with TUV SUD BABT UNLIMITED or a person appointed by TUV SUD BABT UNLIMITED to perform that role.

The manufacturer must immediately cease affixing the MCS Approved Product Mark on any product subject to expiry, withdrawal or suspension of this certification.

Signature: 	Date: <u>2020-11-06</u>
Print Name: (Stephen Milliken)	
On behalf of TUV SUD BABT UNLIMITED	