



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
Shanghai
201401
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 B A B T UNLIMITED

Certificate Number: B A B T 8515 R34

Valid from: 13 January 2023

This Certificate expires on: 13 October 2025



CERTIFIED

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@tuvsud.com

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
Facility 7	Facility 8	Facility 9
JA Solar New Energy Yangzhou Co., Ltd. (Jingshan Park) No.123, Jianhua Road, Economic Development Zone, 225127 Yangzhou City, Jiangsu Province, People's Republic of China	JA Solar Viet Nam Co., Ltd. Lot G, Quang Chau Industrial Zone, Quang Chau Commune, Viet Yen District, 236110 Bac Giang, Vietnam	N/A

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 2.0	<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 R34	1	12-01-2023

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3 Technical Documentation

3.1 User Guide

Installation Manual for JA Solar Photovoltaic Modules Version 4.6	Dated	07/11/2022
Installation Manual for JA Solar Photovoltaic Modules Version 4.0	Dated	11/11/2022

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
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

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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
704061604115-48	Issued	26/11/2020
704061604115-50	Issued	04/01/2021
704061604115-52	Issued	12/05/2021
704061604115-59	Issued	29/12/2021
704061604115-60	Issued	20/01/2022
704061604115-61	Issued	11/07/2022
704061604115-62	Issued	26/08/2022
704061604115-64	Issued	04/11/2022
704061604115-65	Issued	14/11/2022
704061604115-66	Issued	22/11/2022
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
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

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704061604126-16
704061604126-17
704061604126-18
704061604126-19
704061800710-01

Issued 17/07/2019
Issued 12/08/2019
Issued 11/09/2019
Issued 20/09/2019
Issued 29/09/2019

4 Products Within Scope of Certification

4.1 MCS 005: Solar Photovoltaic Modules

Product Type	Product Name ^{Note 1}	Power Range (W) ^{Note 2}	Certification Number
Monocrystalline	JAM60S02-xxx/PR	285 - 325	BABT 8515-112-R2
Monocrystalline	JAM72S02-xxx/PR	345 - 390	BABT 8515-113-R2
Polycrystalline	JAP60S01-xxx/SC	255 - 290	BABT 8515-120-R2
Polycrystalline	JAP72S01-xxx/SC	315 - 345	BABT 8515-121-R2
Polycrystalline	JAP60S04-xxx/SC	270 - 290	BABT 8515-122-R2
Monocrystalline	JAM60S03-xxx/PR	300 - 335	BABT 8515-126-R1
Monocrystalline	JAM72S03-xxx/PR	360 - 400	BABT 8515-127-R1
Monocrystalline	JAM60S04-xxx/PR	300 - 315	BABT 8515-128-R1
Monocrystalline	JAM72S04-xxx/PR	360 - 380	BABT 8515-131-R1
Polycrystalline	JAP72S04-xxx/SC	325 - 345	BABT 8515-138-R1
Monocrystalline	JAM60D00-xxx/PR	285 - 320	BABT 8515-139-R2
Monocrystalline	JAM72D00-xxx/PR	340 - 385	BABT 8515-140-R2
Monocrystalline	JAM60S08-xxx/PR	300 - 335	BABT 8515-147-R1
Monocrystalline	JAM72S08-xxx/PR	360 - 400	BABT 8515-148-R1
Monocrystalline	JAM60S01-xxx/MR	305 - 330	BABT 8515-149-R1
Monocrystalline	JAM72S01-xxx/MR	365 - 390	BABT 8515-150-R1
Monocrystalline	JAM60S01-xxx/PR	285 - 325	BABT 8515-110-R3
Monocrystalline	JAM72S01-xxx/PR	345 - 390	BABT 8515-111-R3
Monocrystalline	JAM60S09-xxx/PR	310 - 335	BABT 8515-151-R2
Monocrystalline	JAM60S12-xxx/PR	305 - 330	BABT 8515-155-R1
Monocrystalline	JAM60S17-xxx/PR	315 - 325	BABT 8515-163-R1
Monocrystalline	JAM60S17-xxx/MR	315 - 325	BABT 8515-164-R1
Monocrystalline	JAM60D09-xxx/BP	300 - 340	BABT 8515-157-R1
Monocrystalline	JAM72D09-xxx/BP	360 - 400	BABT 8515-158-R2
Polycrystalline	JAP60S09-xxx/SC	265 - 290	BABT 8515-159-R1
Polycrystalline	JAP72S09-xxx/SC	320 - 345	BABT 8515-162-R1
Monocrystalline	JAM60S10-xxx/MR	325 - 355	BABT 8515-165-R1
Monocrystalline	JAM72S10-xxx/MR	390 - 430	BABT 8515-166-R1
Monocrystalline	JAM72S09-xxx/PR	370 - 405	BABT 8515-167-R1
Monocrystalline	JAM72S10-xxx/PR	380 - 410	BABT 8515-199

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Product Type	Product Name ^{Note 1}	Power Range (W) ^{Note 2}	Certification Number
Monocrystalline	JAM60S10-xxx/PR	315 - 345	BABT 8515-200
Polycrystalline	JAP72S01-xxx/PR	330 - 345	BABT 8515-168
Polycrystalline	JAP60S01-xxx/PR	275 - 285	BABT 8515-169
Polycrystalline	JAP72S01-xxx/MS	325 - 340	BABT 8515-170
Polycrystalline	JAP72S03-xxx/MS	320 - 345	BABT 8515-171
Polycrystalline	JAP72S02-xxx/SC	310 - 345	BABT 8515-172
Polycrystalline	JAP60S02-xxx/SC	255 - 290	BABT 8515-136-R1
Polycrystalline	JAP72S02-xxx/PR	330 - 345	BABT 8515-173
Polycrystalline	JAP60S02-xxx/PR	275 - 285	BABT 8515-174
Polycrystalline	JAP72S08-xxx/SC	320 - 345	BABT 8515-175
Polycrystalline	JAP60S08-xxx/SC	270 - 290	BABT 8515-176
Polycrystalline	JAP72S08-xxx/PR	335 - 355	BABT 8515-177
Polycrystalline	JAP60S08-xxx/PR	280 - 295	BABT 8515-178
Polycrystalline	JAP72D00-xxx/SC	310 - 340	BABT 8515-146-R1
Polycrystalline	JAP60D00-xxx/SC	260 - 285	BABT 8515-145-R1
Polycrystalline	JAP72D00-xxx/PR	330 - 345	BABT 8515-179
Polycrystalline	JAP60D00-xxx/PR	275 - 290	BABT 8515-180
Polycrystalline	JAP72D09-xxx/SC	330 - 345	BABT 8515-181
Polycrystalline	JAP60D09-xxx/SC	275 - 290	BABT 8515-182
Monocrystalline	JAM78S10-xxx/MR	410 - 465	BABT 8515-183
Monocrystalline	JAM66S10-xxx/MR	345 - 390	BABT 8515-184
Monocrystalline	JAM72S02-xxx/MR	365 - 385	BABT 8515-185
Monocrystalline	JAM60S02-xxx/MR	305 - 320	BABT 8515-186
Monocrystalline	JAM72S12-xxx/PR	365 - 380	BABT 8515-187
Monocrystalline	JAM72S17-xxx/PR	380 - 390	BABT 8515-188
Monocrystalline	JAM72S17-xxx/MR	390 - 430	BABT 8515-189
Monocrystalline	JAM72D00-xxx/MB	370 - 380	BABT 8515-190
Monocrystalline	JAM60D00-xxx/MB	310 - 315	BABT 8515-191
Monocrystalline	JAM72D10-xxx/MB	385 - 430	BABT 8515-192
Monocrystalline	JAM60D10-xxx/MB	320 - 355	BABT 8515-193
Monocrystalline	JAM60S13-xxx/PR	310 - 330	BABT 8515-194
Monocrystalline	JAM72S18-xxx/PR	370 - 405	BABT 8515-195
Monocrystalline	JAM60S18-xxx/PR	310 - 335	BABT 8515-196
Polycrystalline	JAP72S01-xxx/MS	325 - 340	BABT 8515-197
Polycrystalline	JAP60S01-xxx/MS	270 - 280	BABT 8515-198
Polycrystalline	JAP72S03-xxx/SC	320 - 345	BABT 8515-137-R1
Polycrystalline	JAP60S03-xxx/SC	270 - 290	BABT 8515-135-R1

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Product Type	Product Name ^{Note 1}	Power Range (W) ^{Note 2}	Certification Number
Polycrystalline	JAP72S03-xxx/PR	335 - 355	BABT 8515-134-R1
Polycrystalline	JAP60S03-xxx/PR	280 - 295	BABT 8515-133-R1
Polycrystalline	JAP72S10-xxx/SC	335 - 350	BABT 8515-160
Polycrystalline	JAP60S10-xxx/SC	275 - 290	BABT 8515-161
Monocrystalline	JAM60D00-xxx/BP	275 - 320	BABT 8515-143-R1
Monocrystalline	JAM72D00-xxx/BP	330 - 385	BABT 8515-144-R1
Monocrystalline	JAM72S10-xxx/MB	395 - 415	BABT 8515-201
Monocrystalline	JAM60S10-xxx/MB	330 - 345	BABT 8515-202
Monocrystalline	JAM72S10-xxx/BP	385 - 400	BABT 8515-203
Monocrystalline	JAM60S10-xxx/BP	320 - 330	BABT 8515-204
Monocrystalline	JAM72S09-xxx/BP	375 - 385	BABT 8515-205
Monocrystalline	JAM60S09-xxx/BP	315 - 320	BABT 8515-206
Monocrystalline	JAM72S20-xxx/MR	430 - 470	BABT 8515-207-R27
Monocrystalline	JAM60S20-xxx/MR	355 - 390	BABT 8515-208-R27
Monocrystalline	JAM78S10-xxx/MR	435 - 455	BABT 8515-209
Monocrystalline	JAM60S17-xxx/MR	330 - 355	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	BABT 8515-213-R27
Monocrystalline	JAM60D20-xxx/MB	355 - 385	BABT 8515-214-R27
Monocrystalline	JAM78D10-xxx/MB	440 - 450	BABT 8515-215
Monocrystalline	JAM66D10-xxx/MB	360 - 380	BABT 8515-216
Monocrystalline	JAM72S01-xxx/PR/1000V	345 - 390	BABT 8515-217
Monocrystalline	JAM72S30-xxx/MR	510 - 555	BABT 8515-218
Monocrystalline	JAM66S30-xxx/MR	470 - 505	BABT 8515-219
Monocrystalline	JAM60S30-xxx/MR	435 - 460	BABT 8515-220
Monocrystalline	JAM72D30-xxx/MB	505 - 555	BABT 8515-221
Monocrystalline	JAM66D30-xxx/MB	465 - 500	BABT 8515-222
Monocrystalline	JAM60D30-xxx/MB	435 - 455	BABT 8515-223
Monocrystalline	JAM60S21-xxx/MR	355 - 390	BABT 8515-224
Monocrystalline	JAM78S30-xxx/GR/1500V	575 - 600	BABT 8515-225
Monocrystalline	JAM78S30-xxx/GR	575 - 600	BABT 8515-226
Monocrystalline	JAM72S30-xxx/GR/1500V	535 - 560	BABT 8515-227
Monocrystalline	JAM72S30-xxx/GR	535 - 560	BABT 8515-228
Monocrystalline	JAM54S30-xxx/MR/1500V	390 - 415	BABT 8515-229
Monocrystalline	JAM54S30-xxx/MR/1000V	390 - 415	BABT 8515-230
Monocrystalline	JAM54S30-xxx/MR	390 - 415	BABT 8515-231

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Product Type	Product Name ^{Note 1}	Power Range (W) ^{Note 2}	Certification Number
Monocrystalline	JAM54S31-xxx/MR/1500V	385 - 405	BABT 8515-232
Monocrystalline	JAM54S31-xxx/MR/1000V	385 - 405	BABT 8515-233
Monocrystalline	JAM54S31-xxx/MR	385 - 405	BABT 8515-234
Monocrystalline	JAM54S30-xxx/GR/1500V	400 - 420	BABT 8515-235
Monocrystalline	JAM54S30-xxx/GR/1000V	400 - 420	BABT 8515-236
Monocrystalline	JAM54S30-xxx/GR	400 - 420	BABT 8515-237
Monocrystalline	JAM54S31-xxx/GR/1500V	395 - 405	BABT 8515-238
Monocrystalline	JAM54S31-xxx/GR/1000V	395 - 405	BABT 8515-239
Monocrystalline	JAM54S31-xxx/GR	395 - 405	BABT 8515-240
Monocrystalline	JAM78D30-xxx/GB/1500V	585 - 595	BABT 8515-241
Monocrystalline	JAM78D30-xxx/GB	585 - 595	BABT 8515-242
Monocrystalline	JAM72D30-xxx/GB/1500V	540 - 560	BABT 8515-243
Monocrystalline	JAM72D30-xxx/GB	540 - 560	BABT 8515-244
Monocrystalline	JAM78S30-xxx/MR/1500V	580 - 605	BABT 8515-245
Monocrystalline	JAM78S30-xxx/MR/1000V	580 - 605	BABT 8515-246
Monocrystalline	JAM78S30-xxx/MR	580 - 605	BABT 8515-247
Monocrystalline	JAM72S17-xxx/GR/1500V	385 - 400	BABT 8515-248
Monocrystalline	JAM72S17-xxx/GR/1000V	385 - 400	BABT 8515-249
Monocrystalline	JAM72S17-xxx/GR	385 - 400	BABT 8515-250
Monocrystalline	JAM60S10-xxx/MR-L	325 - 355	BABT 8515-251
Monocrystalline	JAM78D30-xxx/MB/1500V	580 - 605	BABT 8515-252
Monocrystalline	JAM78D30-xxx/MB	580 - 605	BABT 8515-253
Monocrystalline	JAM72D30-xxx/HB/1500V	530 - 560	BABT 8515-254
Monocrystalline	JAM72D30-xxx/HB	530 - 560	BABT 8515-255
Monocrystalline	JAM78D40-xxx/MB/1500V	580 - 610	BABT 8515-256
Monocrystalline	JAM78D40-xxx/MB	580 - 610	BABT 8515-257
Monocrystalline	JAM72D40-xxx/MB/1500V	540 - 560	BABT 8515-258
Monocrystalline	JAM72D40-xxx/MB	540 - 560	BABT 8515-259
Monocrystalline	JAM66D40-xxx/MB/1500V	500 - 515	BABT 8515-260
Monocrystalline	JAM66D40-xxx/MB	500 - 515	BABT 8515-261
Monocrystalline	JAM60D40-xxx/MB/1500V	455 - 470	BABT 8515-262
Monocrystalline	JAM60D40-xxx/MB	455 - 470	BABT 8515-263
Monocrystalline	JAM54D40-xxx/MB/1500V	405 - 420	BABT 8515-264
Monocrystalline	JAM54D40-xxx/MB	405 - 420	BABT 8515-265
Monocrystalline	JAM78D40-xxx/GB/1500V	580 - 635	BABT 8515-266
Monocrystalline	JAM78D40-xxx/GB	580 - 635	BABT 8515-267
Monocrystalline	JAM72D40-xxx/GB/1500V	540 - 585	BABT 8515-268

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Product Type	Product Name ^{Note 1}	Power Range (W) ^{Note 2}	Certification Number
Monocrystalline	JAM72D40-xxx/GB	540 - 585	BABT 8515-269
Monocrystalline	JAM66D40-xxx/GB/1500V	500 - 535	BABT 8515-270
Monocrystalline	JAM66D40-xxx/GB	500 - 535	BABT 8515-271
Monocrystalline	JAM60D40-xxx/GB/1500V	455 - 485	BABT 8515-272
Monocrystalline	JAM60D40-xxx/GB	455 - 485	BABT 8515-273
Monocrystalline	JAM54D40-xxx/GB/1500V	405 - 440	BABT 8515-274
Monocrystalline	JAM54D40-xxx/GB	405 - 440	BABT 8515-275
Monocrystalline	JAM66S30-xxx/GR/1500V	500 - 510	BABT 8515-276
Monocrystalline	JAM66S30-xxx/GR/1000V	500 - 510	BABT 8515-277
Monocrystalline	JAM66S30-xxx/GR	500 - 510	BABT 8515-278
Monocrystalline	JAM60S30-xxx/GR/1500V	445 - 465	BABT 8515-279
Monocrystalline	JAM60S30-xxx/GR/1000V	445 - 465	BABT 8515-280
Monocrystalline	JAM60S30-xxx/GR	445 - 465	BABT 8515-281
Monocrystalline	JAM78S31-xxx/GR/1500V	570 - 590	BABT 8515-282
Monocrystalline	JAM78S31-xxx/GR/1000V	570 - 590	BABT 8515-283
Monocrystalline	JAM78S31-xxx/GR	570 - 590	BABT 8515-284
Monocrystalline	JAM72S31-xxx/GR/1500V	525 - 545	BABT 8515-285
Monocrystalline	JAM72S31-xxx/GR/1000V	525 - 545	BABT 8515-286
Monocrystalline	JAM72S31-xxx/GR	525 - 545	BABT 8515-287
Monocrystalline	JAM66S31-xxx/GR/1500V	480 - 500	BABT 8515-288
Monocrystalline	JAM66S31-xxx/GR/1000V	480 - 500	BABT 8515-289
Monocrystalline	JAM66S31-xxx/GR	480 - 500	BABT 8515-290
Monocrystalline	JAM60S31-xxx/GR/1500V	430 - 450	BABT 8515-291
Monocrystalline	JAM60S31-xxx/GR/1000V	430 - 450	BABT 8515-292
Monocrystalline	JAM60S31-xxx/GR	430 - 450	BABT 8515-293
Monocrystalline	JAM72S40-xxx/GR/1500V	540 - 575	BABT 8515-294
Monocrystalline	JAM72S40-xxx/GR/1000V	540 - 575	BABT 8515-295
Monocrystalline	JAM72S40-xxx/GR	540 - 575	BABT 8515-296
Monocrystalline	JAM66S40-xxx/GR/1500V	495 - 525	BABT 8515-297
Monocrystalline	JAM66S40-xxx/GR/1000V	495 - 525	BABT 8515-298
Monocrystalline	JAM66S40-xxx/GR	495 - 525	BABT 8515-299
Monocrystalline	JAM60S40-xxx/GR/1500V	450 - 480	BABT 8515-300
Monocrystalline	JAM60S40-xxx/GR/1000V	450 - 480	BABT 8515-301
Monocrystalline	JAM60S40-xxx/GR	450 - 480	BABT 8515-302
Monocrystalline	JAM54S40-xxx/GR/1500V	405 - 430	BABT 8515-303
Monocrystalline	JAM54S40-xxx/GR/1000V	405 - 430	BABT 8515-304
Monocrystalline	JAM54S40-xxx/GR	405 - 430	BABT 8515-305

Annex to Factory Production Control Requirement Microgeneration Certification Scheme



Product Type	Product Name ^{Note 1}	Power Range (W) ^{Note 2}	Certification Number
Monocrystalline	JAM72S41-xxx/GR/1500V	540 - 570	BABT 8515-306
Monocrystalline	JAM72S41-xxx/GR/1000V	540 - 570	BABT 8515-307
Monocrystalline	JAM72S41-xxx/GR	540 - 570	BABT 8515-308
Monocrystalline	JAM66S41-xxx/GR/1500V	495 - 525	BABT 8515-309
Monocrystalline	JAM66S41-xxx/GR/1000V	495 - 525	BABT 8515-310
Monocrystalline	JAM66S41-xxx/GR	495 - 525	BABT 8515-311
Monocrystalline	JAM60S41-xxx/GR/1500V	450 - 475	BABT 8515-312
Monocrystalline	JAM60S41-xxx/GR/1000V	450 - 475	BABT 8515-313
Monocrystalline	JAM60S41-xxx/GR	450 - 475	BABT 8515-314
Monocrystalline	JAM54S41-xxx/GR/1500V	405 - 430	BABT 8515-315
Monocrystalline	JAM54S41-xxx/GR/1000V	405 - 430	BABT 8515-316
Monocrystalline	JAM54S41-xxx/GR	405 - 430	BABT 8515-317
Monocrystalline	JAM66D30-xxx/GB/1500V	495 - 510	BABT 8515-318
Monocrystalline	JAM66D30-xxx/GB	495 - 510	BABT 8515-319
Monocrystalline	JAM60D30-xxx/GB/1500V	450 - 465	BABT 8515-320
Monocrystalline	JAM60D30-xxx/GB	450 - 465	BABT 8515-321
Monocrystalline	JAM54D30-xxx/GB/1500V	405 - 420	BABT 8515-322
Monocrystalline	JAM54D30-xxx/GB	405 - 420	BABT 8515-323
Monocrystalline	JAM54D41-xxx/GB/1500V	415 - 435	BABT 8515-324
Monocrystalline	JAM54D41-xxx/GB	415 - 435	BABT 8515-325

Note 1: where xxx = output power rating in W
Note 2: in steps of 5 W where range of output powers indicated

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.

Annex to Factory Production Control Requirement Microgeneration Certification Scheme




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 B A B T UNLIMITED or a person appointed by TUV SUD B A B T 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>2023-01-13</u>
Print Name: Stephen Milliken	
On behalf of TUV SUD B A B T UNLIMITED	