

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 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 R30 | 1 | 10-08-2021 |

3 Technical Documentation

3.1 User Guide

| | | |
|---|-------|------------|
| Installation Manual for JA Solar Photovoltaic Modules Version 4.2 | Dated | 17/05/2021 |
| Installation Manual for JA Solar Photovoltaic Modules Version 3.5 | Dated | 17/05/2021 |

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 |

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| | | |
|---------------------|--------|------------|
| 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 |
| 704061604115-48 | Issued | 26/11/2020 |
| 704061604115-50 | Issued | 04/01/2021 |
| 704061604115-52 | Issued | 12/05/2021 |
| 704061604126-01 | Issued | 15/07/2017 |
| 704061604126-01 A1 | Issued | 21/08/2017 |

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|--------------------|--------|------------|
| 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 |
| 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) ^{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 |

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| Product Type | Product Name ^{Note 1} | Power Range (W) ^{Note 2} | Certification Number |
|-----------------|--------------------------------|-----------------------------------|----------------------|
| 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 - 345 | BABT 8515-165-R1 |
| Monocrystalline | JAM72S10-xxx/MR | 390 - 420 | BABT 8515-166-R1 |
| Monocrystalline | JAM72S09-xxx/PR | 370 - 405 | BABT 8515-167-R1 |
| Monocrystalline | JAM72S10-xxx/PR | 380 - 410 | BABT 8515-199 |
| 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 |

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| Product Type | Product Name ^{Note 1} | Power Range (W) ^{Note 2} | Certification Number |
|-----------------|--------------------------------|-----------------------------------|----------------------|
| 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 - 455 | BABT 8515-183 |
| Monocrystalline | JAM66S10-xxx/MR | 345 - 380 | 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 - 395 | 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 - 410 | BABT 8515-192 |
| Monocrystalline | JAM60D10-xxx/MB | 320 - 340 | 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 |
| 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 |

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| Product Type | Product Name ^{Note 1} | Power Range (W) ^{Note 2} | Certification Number |
|-----------------|--------------------------------|-----------------------------------|----------------------|
| Monocrystalline | JAM60S20-xxx/MR | 355 - 390 | BABT 8515-208-R27 |
| Monocrystalline | JAM78S10-xxx/MR | 435 - 455 | BABT 8515-209 |
| Monocrystalline | JAM60S17-xxx/MR | 330 - 335 | 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 - 550 | 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 - 545 | 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 - 375 | 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 | 530 - 555 | BABT 8515-227 |
| Monocrystalline | JAM72S30-xxx/GR | 530 - 555 | 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 |
| 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 - 415 | BABT 8515-235 |
| Monocrystalline | JAM54S30-xxx/GR/1000V | 400 - 415 | BABT 8515-236 |
| Monocrystalline | JAM54S30-xxx/GR | 400 - 415 | 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 - 550 | BABT 8515-243 |
| Monocrystalline | JAM72D30-xxx/GB | 540 - 550 | BABT 8515-244 |

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| Product Type | Product Name <small>Note 1</small> | Power Range (W) <small>Note 2</small> | Certification Number |
|--|------------------------------------|---------------------------------------|----------------------|
| 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.

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: _____ 2021-08-12 |
| Print Name: Stephen Milliken | |
| On behalf of TUV SUD BABT UNLIMITED | |