



Certificate of Factory Production Control

This certificate has been issued to

Exiom Solution, S.A.

of

Calle San Francisco 5 5°A
Oviedo
Asturias
33003
Spain

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: BAPT 8893 R0

Valid from: 19 January 2024

This Certificate expires on: 19 January 2027



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

Yancheng Runda PV Co., Ltd.
No.199 Yanqiao Road, Tanghe Street, Jianhu County, Yancheng, Jiangsu Province, 224799
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 8893 R0	1	2024-01-11

3 Technical Documentation

3.1 User Guide

Installation Manual for Exiom Solution Single Glass Modules Version 1.1	Dated	2023-10-16
Installation Manual for Exiom Solution Bifacial Dual Glass Version 1.1	Dated	2023-10-16

3.2 Test Reports

704062313003-00	Issued	2023-03-01
704062313004-00	Issued	2023-03-01
704061808106-00	Issued	2022-01-24
704061808106-01	Issued	2020-03-31
704061808106-02	Issued	2020-06-09
704061808106-03	Issued	2021-03-31
704061808106-04	Issued	2022-01-24
704061808106-05	Issued	2023-04-14
704061808106-06	Issued	2022-05-19
704062114404-00	Issued	2021-10-09
704062114404-01	Issued	2022-11-07
704062313004-00	Issued	2023-07-10

Annex to Factory Production Control Requirement Microgeneration Certification Scheme



4 Products Within Scope of Certification

4.1 MCS 005: Solar Photovoltaic Modules

Product Type	Product Name <small>Note 1</small>	Power Range (W) <small>Note 2</small>	Certification Number
Monocrystalline	EXxxxM-72	340 - 400	BABT8893-101
Monocrystalline	EXxxxM-60	285 - 330	BABT8893-102
Monocrystalline	EXxxxM-54	255 - 300	BABT8893-103
Monocrystalline	EXxxxM-48	230 - 265	BABT8893-104
Monocrystalline	EXxxxM-36	170 - 200	BABT8893-105
Monocrystalline	EXxxxM-144(HC)	380 - 425	BABT8893-106
Monocrystalline	EXxxxM-120(HC)	320 - 355	BABT8893-107
Monocrystalline	EXxxxM-144(HC)(166)	425 - 465	BABT8893-108
Monocrystalline	EXxxxM-120(HC)(166)	355 - 385	BABT8893-109
Monocrystalline	EXxxxM-132(HC)(166)	390 - 425	BABT8893-110
Monocrystalline	EXxxxM-144(HC)(182)	525 - 550	BABT8893-111
Monocrystalline	EXxxxM-132(HC)(182)	485 - 500	BABT8893-112
Monocrystalline	EXxxxM-120(HC)(182)	440 - 455	BABT8893-113
Monocrystalline	EXxxxM-108(HC)(182)	390 - 410	BABT8893-114
Monocrystalline	EXxxxM-84(HC)(182)	300 - 320	BABT8893-115
Monocrystalline	EXxxxM-60(HC)(182)	220 - 230	BABT8893-116
Monocrystalline	EXxxxM-56(HC)(182)	200 - 210	BABT8893-117
Monocrystalline	EXxxxM-54(HC)(182)	195 - 205	BABT8893-118
Monocrystalline	EXxxxM-44(HC)(182)	160 - 165	BABT8893-119
Monocrystalline	EXxxxM-132(HC)(210)	635 - 665	BABT8893-120
Monocrystalline	EXxxxM-120(HC)(210)	570 - 605	BABT8893-121
Monocrystalline	EXxxxM-108(HC)(210)	520 - 545	BABT8893-122
Monocrystalline	EXxxxM-96(HC)(210)	465 - 480	BABT8893-123
Monocrystalline	EXxxxM-110(HC)(210)	530 - 550	BABT8893-124
Monocrystalline	EXxxxM-100(HC)(210)	485 - 500	BABT8893-125
Monocrystalline	EXxxxM-90(HC)(210)	435 - 450	BABT8893-126
Monocrystalline	EXxxxM-80(HC)(210)	385 - 400	BABT8893-127
Monocrystalline	EXxxxTC-132(HC)(210)	675 - 695	BABT8893-128
Monocrystalline	EXxxxTC-120(HC)(210)	615 - 630	BABT8893-129
Monocrystalline	EXxxxTC-108(HC)(210)	555 - 565	BABT8893-130
Monocrystalline	EXxxxTC-96(HC)(210)	490 - 505	BABT8893-131
Monocrystalline	EXxxxTC-144(HC)(182)	550 - 575	BABT8893-132
Monocrystalline	EXxxxTC-132(HC)(182)	505 - 525	BABT8893-133
Monocrystalline	EXxxxTC-120(HC)(182)	460 - 480	BABT8893-134

Annex to Factory Production Control Requirement Microgeneration Certification Scheme



Product Type	Product Name ^{Note 1}	Power Range (W) ^{Note 2}	Certification Number
Monocrystalline	EXxxxTC-108(HC)(182)	415 - 430	BABT8893-135
Monocrystalline	EXxxxM(B)-72	340 - 400	BABT8893-136
Monocrystalline	EXxxxM(B)-60	285 - 330	BABT8893-137
Monocrystalline	EXxxxM(B)-54	255 - 300	BABT8893-138
Monocrystalline	EXxxxM(B)-48	230 - 265	BABT8893-139
Monocrystalline	EXxxxM(B)-36	170 - 200	BABT8893-140
Monocrystalline	EXxxxM(B)-144(HC)	380 - 425	BABT8893-141
Monocrystalline	EXxxxM(B)-120(HC)	320 - 355	BABT8893-142
Monocrystalline	EXxxxM(B)-144(HC)(166)	425 - 465	BABT8893-143
Monocrystalline	EXxxxM(B)-120(HC)(166)	355 - 385	BABT8893-144
Monocrystalline	EXxxxM(B)-132(HC)(166)	390 - 425	BABT8893-145
Monocrystalline	EXxxxM(B)-144(HC)(182)	525 - 550	BABT8893-146
Monocrystalline	EXxxxM(B)-132(HC)(182)	485 - 500	BABT8893-147
Monocrystalline	EXxxxM(B)-120(HC)(182)	440 - 455	BABT8893-148
Monocrystalline	EXxxxM(B)-108(HC)(182)	390 - 410	BABT8893-149
Monocrystalline	EXxxxM(B)-84(HC)(182)	300 - 320	BABT8893-150
Monocrystalline	EXxxxM(B)-60(HC)(182)	220 - 230	BABT8893-151
Monocrystalline	EXxxxM(B)-56(HC)(182)	200 - 210	BABT8893-152
Monocrystalline	EXxxxM(B)-54(HC)(182)	195 - 205	BABT8893-153
Monocrystalline	EXxxxM(B)-44(HC)(182)	160 - 165	BABT8893-154
Monocrystalline	EXxxxM(B)-132(HC)(210)	635 - 665	BABT8893-155
Monocrystalline	EXxxxM(B)-120(HC)(210)	570 - 605	BABT8893-156
Monocrystalline	EXxxxM(B)-108(HC)(210)	520 - 545	BABT8893-157
Monocrystalline	EXxxxM(B)-96(HC)(210)	465 - 480	BABT8893-158
Monocrystalline	EXxxxM(B)-110(HC)(210)	530 - 550	BABT8893-159
Monocrystalline	EXxxxM(B)-100(HC)(210)	485 - 500	BABT8893-160
Monocrystalline	EXxxxM(B)-90(HC)(210)	435 - 450	BABT8893-161
Monocrystalline	EXxxxM(B)-80(HC)(210)	385 - 400	BABT8893-162
Monocrystalline	EXxxxTC(B)-132(HC)(210)	675 - 695	BABT8893-163
Monocrystalline	EXxxxTC(B)-120(HC)(210)	615 - 630	BABT8893-164
Monocrystalline	EXxxxTC(B)-108(HC)(210)	555 - 565	BABT8893-165
Monocrystalline	EXxxxTC(B)-96(HC)(210)	490 - 505	BABT8893-166
Monocrystalline	EXxxxTC(B)-144(HC)(182)	550 - 575	BABT8893-167
Monocrystalline	EXxxxTC(B)-132(HC)(182)	505 - 525	BABT8893-168
Monocrystalline	EXxxxTC(B)-120(HC)(182)	460 - 480	BABT8893-169
Monocrystalline	EXxxxTC(B)-108(HC)(182)	415 - 430	BABT8893-170
Monocrystalline	EXxxxM(T)-144(HC) (182)	525 - 550	BABT8893-171

Annex to Factory Production Control Requirement Microgeneration Certification Scheme



Product Type	Product Name ^{Note 1}	Power Range (W) ^{Note 2}	Certification Number
Monocrystalline	EXxxxM(T)-132(HC) (182)	485 - 500	BABT8893-172
Monocrystalline	EXxxxM(T)-120(HC) (182)	440 - 455	BABT8893-173
Monocrystalline	EXxxxM(T)-108(HC) (182)	390 - 410	BABT8893-174
Monocrystalline	EXxxxM(T)-84(HC) (182)	300 - 320	BABT8893-175
Monocrystalline	EXxxxM(T)-60(HC) (182)	220 - 230	BABT8893-176
Monocrystalline	EXxxxM(T)-56(HC) (182)	200 - 210	BABT8893-177
Monocrystalline	EXxxxM(T)-54(HC) (182)	195 - 205	BABT8893-178
Monocrystalline	EXxxxM(T)-44(HC) (182)	160 - 165	BABT8893-179
Monocrystalline	EXxxxM(T)-132(HC)(210)	635 - 665	BABT8893-180
Monocrystalline	EXxxxM(T)-120(HC)(210)	570 - 605	BABT8893-181
Monocrystalline	EXxxxM(T)-108(HC)(210)	520 - 545	BABT8893-182
Monocrystalline	EXxxxM(T)-96(HC)(210)	465 - 480	BABT8893-183
Monocrystalline	ExxM(T)-110(HC)(210)	530 - 550	BABT8893-184
Monocrystalline	EXxxxM(T)-100(HC)(210)	485 - 500	BABT8893-185
Monocrystalline	EXxxxM(T)-90(HC)(210)	435 - 450	BABT8893-186
Monocrystalline	EXxxxM(T)-80(HC)(210)	385 - 400	BABT8893-187
Monocrystalline	EXxxxTC(T)-132(C)(210)	675 - 695	BABT8893-188
Monocrystalline	EXxxxTC(T)-120(HC)(210)	615 - 630	BABT8893-189
Monocrystalline	EXxxxTC(T)-108(HC)(210)	555 - 565	BABT8893-190
Monocrystalline	EXxxxTC(T)-96(HC)(210)	490 - 505	BABT8893-191
Monocrystalline	EXxxxTC(T)-144(HC)(182)	550 - 575	BABT8893-192
Monocrystalline	EXxxxTC(T)-132(HC)(182)	505 - 525	BABT8893-193
Monocrystalline	EXxxxTC(T)-120(HC)(182)	460 - 480	BABT8893-194
Monocrystalline	EXxxxTC(T)-108(HC)(182)	415 - 430	BABT8893-195
Monocrystalline	EXxxxM-110(HC)(210)BF	525 - 550	BABT8893-196
Monocrystalline	EXxxxM-100(HC)(210)BF	480 - 500	BABT8893-197
Monocrystalline	EXxxxM-90(HC)(210)BF	430 - 450	BABT8893-198
Monocrystalline	EXxxxM-80(HC)(210)BF	385 - 400	BABT8893-199
Monocrystalline	EXxxxM-132(HC)(210)BF	635 - 665	BABT8893-200
Monocrystalline	EXxxxM-120(HC)(210)BF	580 - 605	BABT8893-201
Monocrystalline	EXxxxM-108(HC)(210)BF	520 - 545	BABT8893-202
Monocrystalline	EXxxxM-96(HC)(210)BF	465 - 480	BABT8893-203
Monocrystalline	EXxxxM-88(HC)(210)BF	425 - 440	BABT8893-204
Monocrystalline	EXxxxM-144(HC)(182)BF	530 - 550	BABT8893-205
Monocrystalline	EXxxxM-132(HC)(182)BF	485 - 500	BABT8893-206
Monocrystalline	EXxxxM-120(HC)(182)BF	445 - 455	BABT8893-207
Monocrystalline	EXxxxM-108(HC)(182)BF	400 - 410	BABT8893-208

Annex to Factory Production Control Requirement Microgeneration Certification Scheme



Product Type	Product Name ^{Note 1}	Power Range (W) ^{Note 2}	Certification Number
Monocrystalline	EXxxxM-96(HC)(182)BF	355 - 365	BABT8893-209
Monocrystalline	EXxxxM-144(HC)(166)BF	430 - 455	BABT8893-210
Monocrystalline	EXxxxM-132(HC)(166)BF	395 - 415	BABT8893-211
Monocrystalline	EXxxxM-120(HC)(166)BF	360 - 380	BABT8893-212
Monocrystalline	EXxxxTC-132(HC)(210)BF	675 - 695	BABT8893-213
Monocrystalline	EXxxxTC-120(HC)(210)BF	615 - 630	BABT8893-214
Monocrystalline	EXxxxTC-108(HC)(210)BF	555 - 565	BABT8893-215
Monocrystalline	EXxxxTC-96(HC)(210)BF	490 - 505	BABT8893-216
Monocrystalline	EXxxxTC-156(HC)(182)BF	595 - 625	BABT8893-217
Monocrystalline	EXxxxTC-144(HC)(182)BF	550 - 575	BABT8893-218
Monocrystalline	EXxxxTC-132(HC)(182)BF	505 - 525	BABT8893-219
Monocrystalline	EXxxxTC-120(HC)(182)BF	460 - 480	BABT8893-220
Monocrystalline	EXxxxTC-108(HC)(182)BF	415 - 430	BABT8893-221
Monocrystalline	EXxxxHJT-132(HC)(210)BF	675 - 700	BABT8893-222
Monocrystalline	EXxxxHJT-120(HC)(210)BF	615 - 635	BABT8893-223
Monocrystalline	EXxxxHJT-108(HC)(210)BF	555 - 570	BABT8893-224
Monocrystalline	EXxxxHJT-96(HC)(210)BF	490 - 505	BABT8893-225
Monocrystalline	EXxxxHJT-144(HC)(182)BF	550 - 580	BABT8893-226
Monocrystalline	EXxxxHJT-132(HC)(182)BF	505 - 530	BABT8893-227
Monocrystalline	EXxxxHJT-120(HC)(182)BF	460 - 480	BABT8893-228
Monocrystalline	EXxxxHJT-108(HC)(182)BF	415 - 435	BABT8893-229
Monocrystalline	EXxxxM(B)-110(HC)(210)BF	525 - 550	BABT8893-230
Monocrystalline	EXxxxM(B)-100(HC)(210)BF	480 - 500	BABT8893-231
Monocrystalline	EXxxxM(B)-90(HC)(210)BF	430 - 450	BABT8893-232
Monocrystalline	EXxxxM(B)-80(HC)(210)BF	385 - 400	BABT8893-233
Monocrystalline	EXxxxM(B)-132(HC)(210)BF	635 - 665	BABT8893-234
Monocrystalline	EXxxxM(B)-120(HC)(210)BF	580 - 605	BABT8893-235
Monocrystalline	EXxxxM(B)-108(HC)(210)BF	520 - 545	BABT8893-236
Monocrystalline	EXxxxM(B)-96(HC)(210)BF	465 - 480	BABT8893-237
Monocrystalline	EXxxxM(B)-88(HC)(210)BF	425 - 440	BABT8893-238
Monocrystalline	EXxxxM(B)-144(HC)(182)BF	530 - 550	BABT8893-239
Monocrystalline	EXxxxM(B)-132(HC)(182)BF	485 - 500	BABT8893-240
Monocrystalline	EXxxxM(B)-120(HC)(182)BF	445 - 455	BABT8893-241
Monocrystalline	EXxxxM(B)-108(HC)(182)BF	400 - 410	BABT8893-242
Monocrystalline	EXxxxM(B)-96(HC)(182)BF	355 - 365	BABT8893-243
Monocrystalline	EXxxxM(B)-144(HC)(166)BF	430 - 455	BABT8893-244
Monocrystalline	EXxxxM(B)-132(HC)(166)BF	395 - 415	BABT8893-245

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Product Type	Product Name ^{Note 1}	Power Range (W) ^{Note 2}	Certification Number
Monocrystalline	EXxxxM(B)-120(HC)(166)BF	360 - 380	BABT8893-246
Monocrystalline	EXxxxTC(B)-132(HC)(210)BF	675 - 695	BABT8893-247
Monocrystalline	EXxxxTC(B)-120(HC)(210)BF	615 - 630	BABT8893-248
Monocrystalline	EXxxxTC(B)-108(HC)(210)BF	555 - 565	BABT8893-249
Monocrystalline	EXxxxTC(B)-96(HC)(210)BF	490 - 505	BABT8893-250
Monocrystalline	EXxxxTC(B)-156(HC)(182)BF	595 - 625	BABT8893-251
Monocrystalline	EXxxxTC(B)-144(HC)(182)BF	550 - 575	BABT8893-252
Monocrystalline	EXxxxTC(B)-132(HC)(182)BF	505 - 525	BABT8893-253
Monocrystalline	EXxxxTC(B)-120(HC)(182)BF	460 - 480	BABT8893-254
Monocrystalline	EXxxxTC(B)-108(HC)(182)BF	415 - 430	BABT8893-255
Monocrystalline	EXxxxHJT(B)-132(HC)(210)BF	675 - 700	BABT8893-256
Monocrystalline	EXxxxHJT(B)-120(HC)(210)BF	615 - 635	BABT8893-257
Monocrystalline	EXxxxHJT(B)-108(HC)(210)BF	555 - 570	BABT8893-258
Monocrystalline	EXxxxHJT(B)-96(HC)(210)BF	490 - 505	BABT8893-259
Monocrystalline	EXxxxHJT(B)-144(HC)(182)BF	550 - 580	BABT8893-260
Monocrystalline	EXxxxHJT(B)-132(HC)(182)BF	505 - 530	BABT8893-261
Monocrystalline	EXxxxHJT(B)-120(HC)(182)BF	460 - 480	BABT8893-262
Monocrystalline	EXxxxHJT(B)-108(HC)(182)BF	415 - 435	BABT8893-263

Note 1: where xxx = rated output power in W @STC
Note 2: in steps of 5 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 **3rd October 2022**.

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.

Annex to
Factory Production Control Requirement
Microgeneration Certification Scheme



Signature: _____

A handwritten signature in black ink, appearing to read 'Stephen Milliken'.

Date: _____ 2024-01-19 _____

Print Name: Stephen Milliken

On behalf of TUV SUD BABT UNLIMITED