



Certificate of Factory Production Control

This certificate has been issued to

Ningbo Ulica Solar Co., Ltd.

of

No.181-197, Shanshan Road
Wangchun Industrial District
Ningbo City
Zhejiang Province
315177
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 8532 R12

Valid from: 02 February 2023

This Certificate expires on: 25 February 2026



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
No.181-197, Shanshan Road Wangchun Industrial District Ningbo City Zhejiang Province 315177 P.R. 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 8532 R12	1	31-01-2023

3 Technical Documentation

3.1 User Guide

Installation Instruction Modified 19/09/2022

3.2 Test Reports

704061806602-00 Part 1 of 2	Issued	16/08/2018
704061806603-00 Part 1 of 2	Issued	16/08/2018
704061806602-00 Part 2 of 2	Issued	17/08/2018
704061806603-00 Part 2 of 2	Issued	17/08/2018
704061806602-01	Issued	15/08/2019
704061806602-02	Issued	25/08/2019
704061806602-03	Issued	10/10/2019
704061806603-01	Issued	15/12/2019
704061806602-04	Issued	25/02/2020
704061806602-05	Issued	15/04/2020
704061806602-06	Issued	17/07/2020
704061806602-07	Issued	23/11/2020
704061806602-08	Issued	09/04/2021
704061806602-09	Issued	30/07/2021
704061806602-10	Issued	16/09/2021

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704061806602-11
704061806602-12

Issued 25/05/2022
Issued 25/08/2022

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
Polycrystalline	UL-xxxP-48	220 - 240	BABT 8532-01-R3
Polycrystalline	UL-xxxP-54	245 - 270	BABT 8532-02-R3
Polycrystalline	UL-xxxP-60	275 - 300	BABT 8532-03-R3
Polycrystalline	UL-xxxP-72	330 - 360	BABT 8532-04-R3
Monocrystalline	UL-xxxM-48	220 - 260	BABT 8532-07-R3
Monocrystalline	UL-xxxM-54	245 - 290	BABT 8532-08-R3
Monocrystalline	UL-xxxM-60	275 - 325	BABT 8532-09-R3
Monocrystalline	UL-xxxM-72	330 - 390	BABT 8532-10-R3
Monocrystalline	UL-xxxM-48HV	220 - 260	BABT 8532-28
Monocrystalline	UL-xxxM-54HV	245 - 290	BABT 8532-29
Monocrystalline	UL-xxxM-60HV	275 - 325	BABT 8532-30
Monocrystalline	UL-xxxM-72HV	330 - 390	BABT 8532-31
Monocrystalline	UL-xxxM-96	245 - 275	BABT 8532-32
Monocrystalline	UL-xxxM-108	275 - 315	BABT 8532-33
Monocrystalline	UL-xxxM-120	305 - 345	BABT 8532-34
Monocrystalline	UL-xxxM-144	370 - 415	BABT 8532-35
Monocrystalline	UL-xxxM-96HV	245 - 275	BABT 8532-36
Monocrystalline	UL-xxxM-108HV	275 - 315	BABT 8532-37
Monocrystalline	UL-xxxM-120HV	305 - 345	BABT 8532-38
Monocrystalline	UL-xxxM-144HV	370 - 415	BABT 8532-39
Polycrystalline	UL-xxxP-48HV	220 - 240	BABT 8532-40
Polycrystalline	UL-xxxP-54HV	245 - 270	BABT 8532-41
Polycrystalline	UL-xxxP-60HV	275 - 300	BABT 8532-42
Polycrystalline	UL-xxxP-72HV	330 - 360	BABT 8532-43
Polycrystalline	UL-xxxP-96	225 - 250	BABT 8532-44
Polycrystalline	UL-xxxP-108	255 - 280	BABT 8532-45
Polycrystalline	UL-xxxP-120	280 - 310	BABT 8532-46
Polycrystalline	UL-xxxP-144	335 - 375	BABT 8532-47
Polycrystalline	UL-xxxP-96HV	225 - 250	BABT 8532-48
Polycrystalline	UL-xxxP-108HV	255 - 280	BABT 8532-49
Polycrystalline	UL-xxxP-120HV	280 - 310	BABT 8532-50
Polycrystalline	UL-xxxP-144HV	335 - 375	BABT 8532-51

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Product Type	Product Name ^{Note 1}	Power Range (W) ^{Note 2}	Certification Number
Monocrystalline	UL-xxxM-96 (8.8)	280 - 305	BABT 8532-52
Monocrystalline	UL-xxxM-108 (8.8)	315 - 345	BABT 8532-53
Monocrystalline	UL-xxxM-120 (8.8)	350 - 380	BABT 8532-54
Monocrystalline	UL-xxxM-144 (8.8)	420 - 460	BABT 8532-55
Monocrystalline	UL-xxxM-96HV (8.8)	280 - 305	BABT 8532-56
Monocrystalline	UL-xxxM-108HV (8.8)	315 - 345	BABT 8532-57
Monocrystalline	UL-xxxM-120HV (8.8)	350 - 380	BABT 8532-58
Monocrystalline	UL-xxxM-144HV (8.8)	420 - 460	BABT 8532-59
Monocrystalline	UL-xxxM-156 (9.72)	565 - 600	BABT 8532-60
Monocrystalline	UL-xxxM-144 (9.72)	525 - 555	BABT 8532-61
Monocrystalline	UL-xxxM-132 (9.72)	480 - 505	BABT 8532-62
Monocrystalline	UL-xxxM-120 (9.72)	435 - 460	BABT 8532-63
Monocrystalline	UL-xxxM-108 (9.72)	390 - 415	BABT 8532-64
Monocrystalline	UL-xxxM-96 (9.72)	350 - 370	BABT 8532-65
Monocrystalline	UL-xxxM-156HV (9.72)	565 - 600	BABT 8532-66
Monocrystalline	UL-xxxM-144HV (9.72)	525 - 555	BABT 8532-67
Monocrystalline	UL-xxxM-132HV (9.72)	480 - 505	BABT 8532-68
Monocrystalline	UL-xxxM-120HV (9.72)	435 - 460	BABT 8532-69
Monocrystalline	UL-xxxM-108HV (9.72)	390 - 415	BABT 8532-70
Monocrystalline	UL-xxxM-96HV (9.72)	350 - 370	BABT 8532-71
Monocrystalline	UL-xxxM-132 (11.61)	640 - 670	BABT 8532-72
Monocrystalline	UL-xxxM-120 (11.61)	580 - 605	BABT 8532-73
Monocrystalline	UL-xxxM-108 (11.61)	525 - 545	BABT 8532-74
Monocrystalline	UL-xxxM-132HV (11.61)	640 - 670	BABT 8532-75
Monocrystalline	UL-xxxM-120HV (11.61)	580 - 605	BABT 8532-76
Monocrystalline	UL-xxxM-108HV (11.61)	525 - 545	BABT 8532-77

Note 1: where xxx = output power rating in W

Note 2: in steps of 5 W

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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 **5th February 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: _____ 2023-02-02 _____

Print Name: Stephen Milliken

On behalf of TUV SUD BABT UNLIMITED