



Certificate of Factory Production Control

This certificate has been issued to

Ningbo Ulica Solar Science & Technology 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 BAPT UNLIMITED

Certificate Number: BAPT 8532 R7

Valid from: 25 February 2020

This Certificate expires on: 25 February 2023



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 BAPT@tuv-sud.co.uk

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 2.5 & Issue 3.0	☒
MCS 010 – Factory Production Control Requirements	Issue 1.5	☒
MCS 012 – Pitched Roof Installation Kits	Issue N/A	☐
MCS 017 – Bespoke Building Integrated Photovoltaic Products	Issue N/A	☐

2.2 Assessment Reports

Assessment Report Number	Issue Number	Issue Date
BABT 8532 R0	N/A	2010-12-01
BABT 8532 R4	N/A	2015-09-02
BABT 8532 R7	1	2020-02-18

3 Technical Documentation

3.1 Declaration of Conformity

EC Declaration letter0219

Dated 11/02/2020

3.2 User Guide

Installation Instruction

Modified 16/01/2020

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3.3 Test Reports

21207313	Issued	27/09/2007
21207313-2	Issued	28/10/2009
15033879.001	Issued	02/03/2010
15038079.001	Issued	12/06/2010
15033879.003	Issued	30/01/2011
15033879.006	Issued	17/04/2011
15033879.007	Issued	29/09/2011
15033879.009	Issued	21/12/2011
15033879.011	Issued	16/02/2012
15033879.013	Issued	06/06/2012
15033879.015	Issued	07/11/2012
70.406.12.1285.01-00	Issued	28/01/2013
70.406.12.1285.02-00	Issued	20/02/2013
70.406.12.1285.01-01	Issued	26/03/2013
70.406.12.1285.01-01 A1	Issued	10/05/2013
70.406.12.1285.02-00 A1	Issued	10/05/2013
70.406.12.1285.01-01 A2	Issued	01/08/2013
70.406.12.1285.02-00 A2	Issued	01/08/2013
70.406.12.1285.01-01 A3	Issued	24/12/2013
70.406.12.1285.02-00 A3	Issued	24/12/2013
70.406.12.1285.01-01 A4	Issued	24/04/2014
70.406.12.1285.02-00 A4	Issued	24/04/2014
7040612128501-02	Issued	04/05/2015
7040612128502-01	Issued	06/05/2015
7040612128502-02	Issued	27/05/2015
7040612128501-02A1	Issued	29/06/2015
7040612128502-03	Issued	30/06/2015
7040612128502-03A1	Issued	30/06/2015
7040612128501-02A2	Issued	27/07/2015
7040612128502-03A2	Issued	27/07/2015
7040612128501-03	Issued	22/12/2015
7040612128502-04	Issued	22/12/2015
7040612128501-03A1	Issued	05/01/2016
7040612128502-04A1	Issued	05/01/2016
7040612128502-05	Issued	17/03/2016
7040612128501-03A2	Issued	05/07/2016
7040612128502-05A1	Issued	05/07/2016
7040612128501-04	Issued	30/09/2017
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
7040612128501-05	Issued	13/09/2018
7040612128502-06	Issued	13/09/2018
7040612128502-07	Issued	13/09/2018
704061806602-01	Issued	15/08/2019
704061806602-02	Issued	25/08/2019
704061806602-03	Issued	10/10/2019
704061806603-01	Issued	15/12/2019

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4 Products Within Scope of Certification

4.1 MCS 005 Issue 2.5: Solar Photovoltaic Modules

Product Type	Product Name	Power Range (W)	Certification Number
Monocrystalline	UL-xxxD-84	165-250 (in steps of 5)	BABT 8532-05-02
Monocrystalline	UL-xxxD-72	155-215 (in steps of 5)	BABT 8532-11-R1
Monocrystalline	UL-xxxD-96	235-290 (in steps of 5)	BABT 8532-12-02
Monocrystalline	UL-xxxD-16	40-45 (in steps of 5)	BABT 8532-13
Monocrystalline	UL-xxxD-20	50-60 (in steps of 5)	BABT 8532-14
Monocrystalline	UL-xxxD-24	60-70 (in steps of 5)	BABT 8532-15
Monocrystalline	UL-xxxD-28	65-80 (in steps of 5)	BABT 8532-16
Monocrystalline	UL-xxxD-32	75-95 (in steps of 5)	BABT 8532-17
Monocrystalline	UL-xxxD-36	80-105 (in steps of 5)	BABT 8532-18
Monocrystalline	UL-xxxD-40	90-120 (in steps of 5)	BABT 8532-19
Monocrystalline	UL-xxxM-24	100-125 (in steps of 5)	BABT 8532-20-01
Monocrystalline	UL-xxxM-28	115-145 (in steps of 5)	BABT 8532-21-01
Monocrystalline	UL-xxxM-32	120-165 (in steps of 5)	BABT 8532-22-01
Monocrystalline	UL-xxxM-36	135-190 (in steps of 5)	BABT 8532-23-01
Polycrystalline	UL-xxxP-24	95-120 (in steps of 5)	BABT 8532-24-01
Polycrystalline	UL-xxxP-28	110-140 (in steps of 5)	BABT 8532-25-01
Polycrystalline	UL-xxxP-32	125-160 (in steps of 5)	BABT 8532-26-01
Polycrystalline	UL-xxxP-36	145-185 (in steps of 5)	BABT 8532-27-01

4.2 MCS 005 Issue 3.0: Solar Photovoltaic Modules

Product Type	Product Name	Power Range (W)	Certification Number
Polycrystalline	UL-xxxP-48	220-240 (in steps of 5)	BABT 8532-01-R3
Polycrystalline	UL-xxxP-54	245-270 (in steps of 5)	BABT 8532-02-R3
Polycrystalline	UL-xxxP-60	275-300 (in steps of 5)	BABT 8532-03-R3
Polycrystalline	UL-xxxP-72	330-360 (in steps of 5)	BABT 8532-04-R3
Monocrystalline	UL-xxxM-48	220-260 (in steps of 5)	BABT 8532-07-R3
Monocrystalline	UL-xxxM-54	245-290 (in steps of 5)	BABT 8532-08-R3
Monocrystalline	UL-xxxM-60	275-325 (in steps of 5)	BABT 8532-09-R3
Monocrystalline	UL-xxxM-72	330-390 (in steps of 5)	BABT 8532-10-R3
Monocrystalline	UL-xxxM-48HV	220-260 (in steps of 5)	BABT 8532-28
Monocrystalline	UL-xxxM-54HV	245-290 (in steps of 5)	BABT 8532-29
Monocrystalline	UL-xxxM-60HV	275-325 (in steps of 5)	BABT 8532-30
Monocrystalline	UL-xxxM-72HV	330-390 (in steps of 5)	BABT 8532-31
Monocrystalline	UL-xxxM-96	245-275 (in steps of 5)	BABT 8532-32

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Product Type	Product Name	Power Range (W)	Certification Number
Monocrystalline	UL-xxxM-108	275-315 (in steps of 5)	BABT 8532-33
Monocrystalline	UL-xxxM-120	305-345 (in steps of 5)	BABT 8532-34
Monocrystalline	UL-xxxM-144	370-415 (in steps of 5)	BABT 8532-35
Monocrystalline	UL-xxxM-96HV	245-275 (in steps of 5)	BABT 8532-36
Monocrystalline	UL-xxxM-108HV	275-315 (in steps of 5)	BABT 8532-37
Monocrystalline	UL-xxxM-120HV	305-345 (in steps of 5)	BABT 8532-38
Monocrystalline	UL-xxxM-144HV	370-415 (in steps of 5)	BABT 8532-39
Polycrystalline	UL-xxxP-48HV	220-240 (in steps of 5)	BABT 8532-40
Polycrystalline	UL-xxxP-54HV	245-270 (in steps of 5)	BABT 8532-41
Polycrystalline	UL-xxxP-60HV	275-300 (in steps of 5)	BABT 8532-42
Polycrystalline	UL-xxxP-72HV	330-360 (in steps of 5)	BABT 8532-43
Polycrystalline	UL-xxxP-96	225-250 (in steps of 5)	BABT 8532-44
Polycrystalline	UL-xxxP-108	255-280 (in steps of 5)	BABT 8532-45
Polycrystalline	UL-xxxP-120	280-310 (in steps of 5)	BABT 8532-46
Polycrystalline	UL-xxxP-144	335-375 (in steps of 5)	BABT 8532-47
Polycrystalline	UL-xxxP-96HV	225-250 (in steps of 5)	BABT 8532-48
Polycrystalline	UL-xxxP-108HV	255-280 (in steps of 5)	BABT 8532-49
Polycrystalline	UL-xxxP-120HV	280-310 (in steps of 5)	BABT 8532-50
Polycrystalline	UL-xxxP-144HV	335-375 (in steps of 5)	BABT 8532-51

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.

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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: _____ 2020-02-25

Print Name: Stephen Milliken _____

On behalf of TUV SUD BABT UNLIMITED