



Certificate of Factory Production Control

This certificate has been issued to

Guangdong Lesso Banhao New Energy Technology Group Co., Ltd.

of

1st & 2nd Floors of the Workshop in Zone 2
 No.58 Longzhou West Road
 Longjiang Town, Shunde District
 Foshan City
 Guangdong Province
 528318
 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 BABT UNLIMITED

Certificate Number: BAPT 8849 R1

Valid from: 30 June 2023

This Certificate expires on: 20 April 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
Guangdong Lesso Banhao New Energy Technology Group Co., Ltd. Plot A-2, South side of Longjiang Dachong Beside Chanxi Avenue Longjiang Town Shunde District Foshan City Guangdong Province 528318 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 8849 R1	1	28-06-2023

3 Technical Documentation

3.1 User Guide

Installation and Maintenance Guide Version: April 2022 REV.1.0 Modified 25/05/2023

3.2 Test Reports

704062212901-00	Issued	20/05/2022
083-32212902-000	Issued	18/07/2022
64.290.22.31041.01	Issued	15/08/2022
64.290.22.31041.02	Issued	15/10/2022
64.290.22.31041.03	Issued	28/02/2023
64.290.22.31041.04	Issued	26/05/2023
64.290.22.31419.01	Issued	03/11/2022

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
Monocrystalline	xxxD(HPM)72(182)	520 - 550	BABT8849-101
Monocrystalline	xxxD(HPM)66(182)	480 – 505	BABT8849-102
Monocrystalline	xxxD(HPM)60(182)	435 – 460	BABT8849-103
Monocrystalline	xxxD(HPM)54(182)	390 – 415	BABT8849-104
Monocrystalline	xxxD(HPM)66(210)	640 – 670	BABT8849-105
Monocrystalline	xxxD(HPM)60(210)	580 – 605	BABT8849-106
Monocrystalline	xxxD(HPM)54(210)	520 – 545	BABT8849-107
Monocrystalline	xxxD(HBD)72(182)	530 – 555	BABT8849-108
Monocrystalline	xxxD(HBD)66(182)	485 – 510	BABT8849-109
Monocrystalline	xxxD(HBD)60(182)	440 – 465	BABT8849-110
Monocrystalline	xxxD(HBD)54(182)	395 – 420	BABT8849-111
Monocrystalline	xxxD(HBD)66(210)	640 – 670	BABT8849-112
Monocrystalline	xxxD(HBD)60(210)	580 – 610	BABT8849-113
Monocrystalline	xxxD(HBD)54(210)	520 - 550	BABT8849-114
Monocrystalline	xxxD(BPM)72(182)	520 - 550	BABT8849-115
Monocrystalline	xxxD(BPM)66(182)	480 - 500	BABT8849-116
Monocrystalline	xxxD(BPM)60(182)	435 - 455	BABT8849-117
Monocrystalline	xxxD(BPM)54(182)	390 - 410	BABT8849-118

Note 1: where xxx = rated output power in Wp @ 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 **17th April 2023**.

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: _____ 2023-06-30 _____

Print Name: Stephen Milliken

On behalf of TUV SUD BABT UNLIMITED