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Certificate of Factory Production Control

This certificate has been issued to

Suzhou Talesun Solar Technologies Co., Ltd

of

No.1 Talesun Road

Shajiabang

Changshu

Suzhou

Jiangsu Province

215542

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 8783 R0

Valid from: 14 December 2020

This Certificate expires on: 13 December 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 or this certificate, if any, as stated in the Annex. This certificate constitutes page 1 of the combined Certificate and Annex.

For further details related to this certificate, please contact [BAPT@tuv-sud.co.uk](mailto:bapt@tuv-sud.co.uk)

Annex to Factory Production Control Requirement Microgeneration Certification Scheme



1 Manufacturing Location

| Facility 1 |
|---|
| Suzhou Talesun Solar Technologies Co., Ltd. No.1 Talesun Road Shajiang Changshu Suzhou Jiangsu Province 215542 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 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 8783 R0 | 1 | 02-12-2020 |

3 Technical Documentation

3.1 User Guide

| | | |
|--|----------|------------|
| Installation Manual (Bifacial module) for European TS-ET-131 Rev. A1 | Modified | 21/10/2020 |
| Installation Manual for European TS-ET-115 Rev. A1 | Modified | 22/10/2020 |
| Installation Manual for crystalline solar photovoltaic modules (Half Cell) Rev. A0 | Modified | 01/07/2020 |

3.2 Test Reports

| | | |
|-----------------|--------|------------|
| 704061707022-00 | Issued | 22/02/2018 |
| 704061707022-01 | Issued | 12/11/2018 |
| 704061707022-02 | Issued | 28/02/2019 |
| 704061707022-03 | Issued | 24/09/2019 |
| 704061707022-04 | Issued | 15/12/2019 |
| 704061707023-00 | Issued | 22/02/2018 |
| 704061707023-01 | Issued | 12/11/2018 |
| 704061707023-02 | Issued | 28/02/2019 |
| 704061707023-03 | Issued | 10/06/2019 |
| 704061707023-04 | Issued | 24/09/2019 |
| 704061707023-05 | Issued | 15/12/2019 |

Annex to Factory Production Control Requirement Microgeneration Certification Scheme



704061707023-06
704061707023-07
704061707023-08

Issued 22/04/2020
Issued 10/07/2020
Issued 22/09/2020

4 Products Within Scope of Certification

4.1 MCS 005: Solar Photovoltaic Modules

| Product Type | Product Name ^{Note 1} | Power Range (W) | Certification Number |
|-----------------|--------------------------------|--------------------------|----------------------|
| Monocrystalline | TP678M-xxx | 400 to 415 in steps of 5 | BABT8783-001 |
| Monocrystalline | TP672M-xxx | 325 to 395 in steps of 5 | BABT8783-002 |
| Monocrystalline | TP6H72M-xxx | 365 to 415 in steps of 5 | BABT8783-003 |
| Monocrystalline | TP6F72M-xxx | 385 to 415 in steps of 5 | BABT8783-004 |
| Monocrystalline | TP6G72M-xxx | 390 to 420 in steps of 5 | BABT8783-005 |
| Monocrystalline | TP6L72M-xxx | 435 to 455 in steps of 5 | BABT8783-006 |
| Monocrystalline | TP660M-xxx | 270 to 330 in steps of 5 | BABT8783-007 |
| Monocrystalline | TP6H60M-xxx | 305 to 345 in steps of 5 | BABT8783-008 |
| Monocrystalline | TP6F60M-xxx | 320 to 345 in steps of 5 | BABT8783-009 |
| Monocrystalline | TP6G60M-xxx | 325 to 350 in steps of 5 | BABT8783-010 |
| Monocrystalline | TP6L60M-xxx | 360 to 380 in steps of 5 | BABT8783-011 |
| Monocrystalline | TP678M(H)-xxx | 400 to 415 in steps of 5 | BABT8783-012 |
| Monocrystalline | TP672M(H)-xxx | 325 to 395 in steps of 5 | BABT8783-013 |
| Monocrystalline | TP6H72M(H)-xxx | 365 to 415 in steps of 5 | BABT8783-014 |
| Monocrystalline | TP6F72M(H)-xxx | 385 to 415 in steps of 5 | BABT8783-015 |
| Monocrystalline | TP6G72M(H)-xxx | 390 to 420 in steps of 5 | BABT8783-016 |
| Monocrystalline | TP6L72M(H)-xxx | 435 to 455 in steps of 5 | BABT8783-017 |
| Monocrystalline | TP660M(H)-xxx | 270 to 330 in steps of 5 | BABT8783-018 |
| Monocrystalline | TP6H60M(H)-xxx | 305 to 345 in steps of 5 | BABT8783-019 |
| Monocrystalline | TP6F60M(H)-xxx | 320 to 345 in steps of 5 | BABT8783-020 |
| Monocrystalline | TP6G60M(H)-xxx | 325 to 350 in steps of 5 | BABT8783-021 |
| Monocrystalline | TP6L60M(H)-xxx | 360 to 380 in steps of 5 | BABT8783-022 |
| Polycrystalline | TP672P-xxx | 315 to 355 in steps of 5 | BABT8783-023 |
| Polycrystalline | TP6H72P-xxx | 325 to 350 in steps of 5 | BABT8783-024 |
| Polycrystalline | TP660P-xxx | 255 to 295 in steps of 5 | BABT8783-025 |
| Polycrystalline | TP6H60P-xxx | 270 to 290 in steps of 5 | BABT8783-026 |
| Polycrystalline | TP672P(H)-xxx | 315 to 355 in steps of 5 | BABT8783-027 |
| Polycrystalline | TP6H72P(H)-xxx | 325 to 350 in steps of 5 | BABT8783-028 |
| Polycrystalline | TP660P(H)-xxx | 255 to 295 in steps of 5 | BABT8783-029 |
| Polycrystalline | TP6H60P(H)-xxx | 270 to 290 in steps of 5 | BABT8783-030 |

Note 1: where xxx = power rating in W



Annex to Factory Production Control Requirement Microgeneration Certification Scheme

5 Additional Information

All products within the scope of this certification shall be listed on the MCS Installations Database for the duration of this certificate's 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 **25th November 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 to products if the certificate is to expiry, withdrawal or suspension.

Signature:  _____

Date: 2020/12/14

Print Name: Stephen Milliken

On behalf of TUV SUD BABT UNLIMITED