

# ATTESTATION OF QUALIFICATION



Product Service

This is to confirm that

## Photovoltaic Products Inspection and Testing Center of Suzhou Talesun Solar Technologies Co., Ltd.

No. 1 Talesun Road, Changkun Industrial Park,  
Shajiabang, Changshu Suzhou, Jiangsu, China

has been accepted as Qualified Laboratory by

## TÜV SÜD Product Service

This document states that the above named company is included in the TÜV SÜD  
PRODUCT SERVICE Listing of Recognized Laboratories and is qualified according to  
the **External Laboratory Program (ELP)** for the mutually agreed product categories  
and/ or standards as listed in the attachment.

The testing facilities were assessed to meet the relevant requirements of this program as  
**Testing at Manufactures Premises (TMP)**. Test results from testing conducted at this  
laboratory under the supervision and witness of engineer(s) of TÜV SÜD can be used as a  
basis for a TÜV SÜD certification.

Expiration Date: 2018-11-14

On behalf of TÜV SÜD Product Service GmbH

Zhang Zhulin  
Solar / Photovoltaic's (PV) Quality Manager

TÜV SÜD Product Service GmbH  
Date of Issuance: 2017-11-15

\* TÜV SÜD makes no representations or warranties, express or implied, regarding any aspect of this Laboratory's business or services or that this Laboratory's services will achieve any specific results in any TÜV SÜD investigation. TÜV SÜD does not assume or undertake to discharge any liability of this Laboratory or any other party. TÜV SÜD assumes no liability which may result directly or indirectly from assessment or Certification of this Laboratory, the conduct or a failure to conduct inspections, incorrect Certification, nonconformity or failure to discover nonconformity with Program Requirements, cancellation of this Certificate or withdrawal of this

## Annex - Scope of CTF Talesun

Category	Standard	Details (see note below)
PV	IEC 61215:2005	Preconditioning 10.1 Visual inspection 10.2 Max. power determination 10.3 Insulation test 10.4 Measurement of temperature coefficients 10.7 Performance at low irradiance 10.8 Outdoor exposure 10.10 UV precondition test 10.11 Thermal cycling test 10.12 Humidity freeze test 10.13 Damp Heat test 10.14 Robustness of terminations test 10.15 Wet leakage current test 10.16 Mechanical load test 10.17 Hail test 10.18 Bypass diode thermal test
PV	IEC 61730-2:2004	MST01 Visual inspection MST11 Accessibility test MST 12 Cut susceptibility test MST13 Ground continuity test MST 14 Impulse voltage test (range to 8000 VDC) MST16 Dielectric withstand test MST17 Wet leakage current test MST 22 Hot-spot endurance test MST 25 Bypass diode thermal test MST 26 Reverse current overload MST 32 Module breakage MST 42 Robustness of terminations test MST 51 Thermal cycling test MST 52 Humidity-freeze test MST 53 Damp-heat test MST 54 UV test
PV	IEC TS 62804-1	All applicable as in above IEC 61215 & IEC 61730-2
PV	IEC 61215:2016	MQT01 Visual inspection MQT02 Maximum power determination MQT03 Insulation test MQT 04 Measurement of temperature coefficients MQT07 Performance at low irradiance MQT08 Outdoor exposure test MQT09 Hot-spot endurance test MQT10 UV preconditioning test MQT11 Thermal cycling test MQT12 Humidity-freeze test MQT13 Damp heat test MQT14 Robustness of terminations MQT15 Wet leakage current test MQT16 Static mechanical load test MQT 17 Hail test MQT19 Stabilization

## Annex - Scope of CTF Talesun (continue)

Category	Standard	Details (see note below)
PV	IEC 61730-2 :2016	MST01 Visual inspection MST02 Performance at STC MST03 Maximum power determination MST05 Durability of markings MST07 Bypass diode functionality test MST11 Accessibility test MST12 Cut susceptibility test MST13 Continuity test of equipotential bonding MST 14 Impulse test (range to 8000 VDC) MST 16 Insulation test MST 17 Wet leakage current test MST 22 Hot-spot endurance test MST 26 Reverse current overload test MST 32 Module breakage test MST 34 Mechanical load test MST 51 Thermal cycling test MST 52 Humidity-freeze test MST 53 Damp-heat test MST 54 UV test