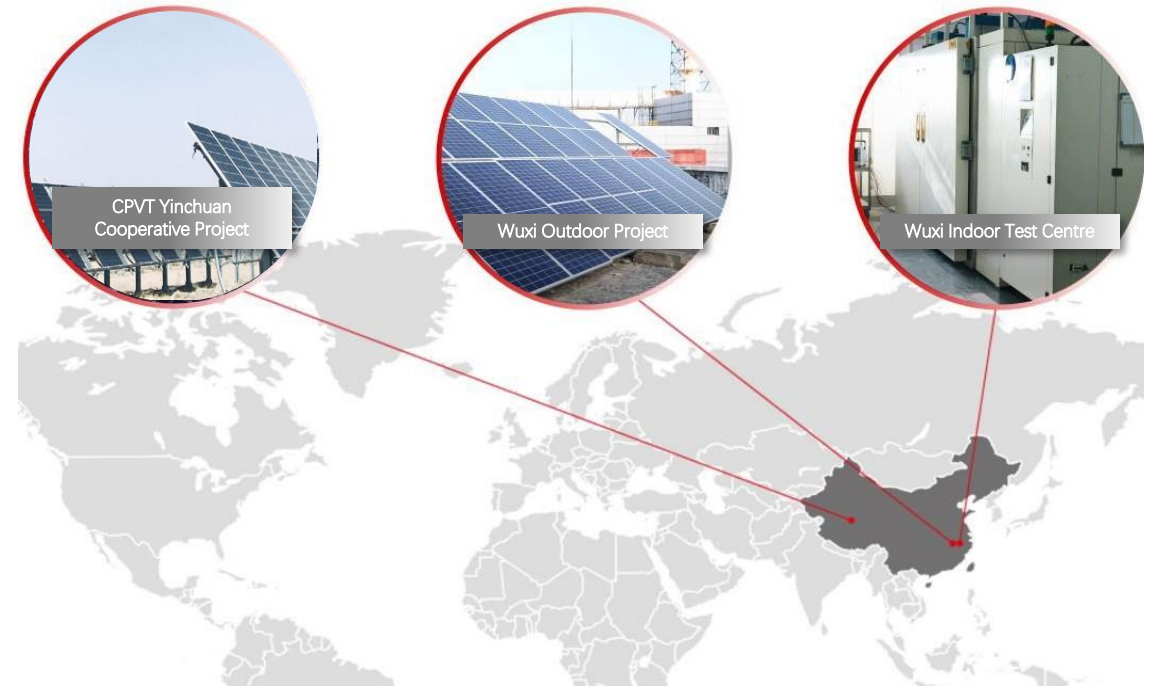


Photovoltaic Laboratory



- Suntech PV Product Inspection & Test Center is a professional test laboratory for PV modules. Our laboratory management system is in full compliance with ISO/IEC17025. The PV Product Inspection & Test Center has a world leading capability in PV testing.
- Test center includes indoor (3200 square meters) and outdoor test areas (over 3000 square meters). It has been recognized by famous international certification organizations and has a capability in independently conducting test projects according to international standards.



Development History

2008.08

Jiangsu(Suntech) institute for photovoltaic technology and test center were founded.

2009.06

The 1st PV test center in China, who obtained WTDP(Witness Test Data Program) certificate issued by UL.

2009.12

The 1st PV test center in Asia, who obtained TDAP(Test Data Acceptance Program) certificate issued by VOE.

2010.01

The 1st PV test center in China, who obtained SMTC (Supervised Manufacturers Testing for Certification Program) certificate issued by CSA.

2010.06

The 1st batch PV laboratory in China PV industry, who obtained Golden Sun certificate for PV product issued by CGC

2010.02

Obtained CNAS Laboratory Accreditation certificate.

2016.02

Obtained CNAS Laboratory certificate with CLSS which focuses on PV test lab.

2017.02

The 1st batch PV Laboratory in China PV industry, which obtained CNAS Laboratory certificate with EC61215:2016;1E C6 7730:2076 edition.

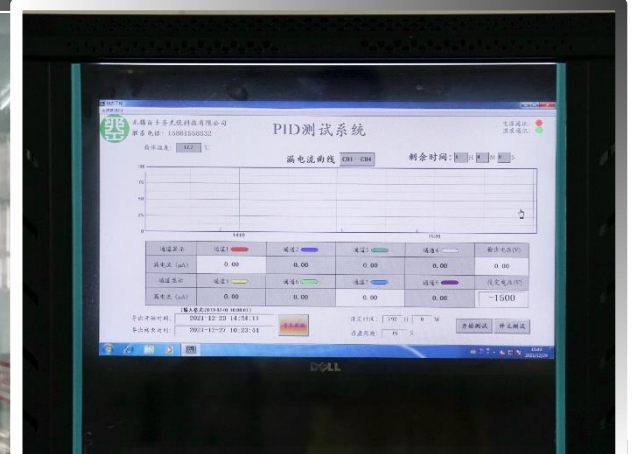
2019.01

Certified by TUV Rheinland Witness Laboratory.

2020.04

The raw and auxiliary materials laboratory passed the CNAS extension.

- IEC 61275:2016 ed2
- IEC 67730-2 2016
- UL 1703-2004
- IEC 67701:2011
- Outdoor testing
- VOE QT-PV-001:2019-01
- IEC TS 62804-7:2075
- IEC 62790 ed.7
- IEC TS 62795:2078
- IEC TS 62782:2077



Equipment for Products Testing

- Outdoor test
- Hail test
- Hail test
- Spray test
- Hot spot test
- Environmental test

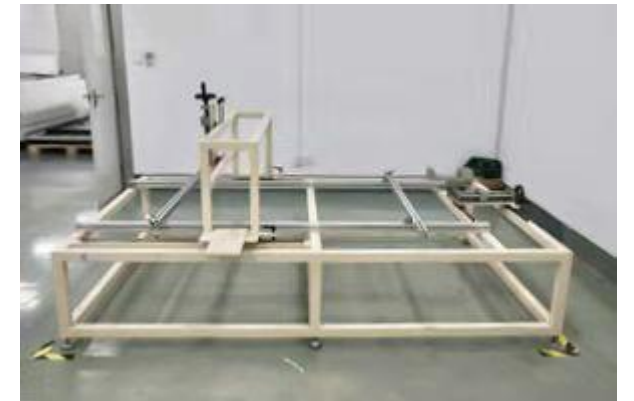


- All-purpose pull experiment machine
- MVTR tester
- Vu lea meter
- Metallographic microscope
- Infra red spectrometer
- Optical microscope
- Spectrophotometer
- Differential Scanning Calorimetry (DSC)
- Scanning Electron Microscope (SEM)



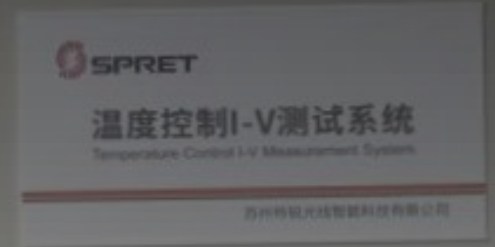
Equipment for Junction Box Testing

- UV test
- Water spray test
- Ball pressure test
- Tensile test
- Dust resistance test
- Test of mechanical strength under low temperature



Outdoor Testing & Online Monitoring for Power Output

- Outdoor testing
- Online monitoring for climate Radiation intensity
UV-A strength UV-B strength
Relative air humidity
Environmental temperature



THANK YOU

