

ASU-PTL Photovoltaic Module Qualification

Test Certificate 05070801 is awarded to

Manufacturer: SunTech Power Co. Ltd.

Type: STP170S-24/Ab

Models: STP185S-24/Ab, STP180S-24/Ab, STP175S-24/Ab, STP165S-24/Ab, STP160S-24/Ab, STP155S-24/Ab

Specifications: 72 monocrystalline silicon cells, potted SunTech junction box, EVA encapsulant, TPT backsheet, tempered glass superstrate, and aluminum frame. Maximum system voltage is 1000 V. (See photos on back.)

Tested type: STP170S-24/Ab **Sampling:** Six unconditioned test samples

Samples received: 511605

Tests conducted from: 511705

To: 71805

Tests conducted at: PTL, 7349 E. Unity Avenue, Mesa, Arizona, 85212

This laboratory is accredited by the American Association for Laboratory Accreditation (A2LA).

Manufacturer's Address: Suntech Power Co. Ltd., A6 Wang Zhuang Industrial Zone, New District, Wuxi, China 214028

Test data and analysis detailed in Test Report #: 05070801

PTL Project: STP050003

Certificate Issue Date: July 8, 2005



Certificate #0921-01
Since 6/23/97

The Arizona State University Photovoltaic Testing Laboratory (ASU-PTL) acknowledges that the above model(s) of photovoltaic modules have been subjected to and passed the minimum requirements defined in test standard(s):

1. IEC 61215: Design qualification and type approval for crystalline silicon terrestrial photovoltaic (PV) modules [1993-04].

The STP170S-24/Ab qualified by similarity to the STP160S (project STP03001) based upon IEC/TC82/WG2 Retest Guidelines [5/17/00]. Models listed above qualified based upon IEC/TC82/WG2 Retest Guidelines [5/17/00] and IEC/TC82/WG2 Type and Model Conventions [4/16/02].

All tests in the above listed test standard(s) are within the ASU-PTL's scope of accreditation. Exception(s): None
Deviations from, additions to, or exclusions from aforementioned test standard(s): None

This test certificate may be used by the manufacturing company for its own purposes. However, the ASU-PTL cannot accept any legal responsibility from such use. If the tested type undergoes any future design or process modifications, limited re-testing is required to maintain valid certification according to the applicable Retest Guidelines.

G. Govindasamy Tamizh-Mani

Dr. Govindasamy Tamizh-Mani, Director
Certifying Authority

Liang Ji

Liang Ji, Laboratory Manager
Certifying Witness

Todd W. Arends

Todd Arends, Test Manager
Certifying Witness