

# ASU-PTL Photovoltaic Module Qualification

Type Test Certificate C1-CEG07002a is awarded to

**Manufacturer: CEEG (Shanghai) Solar S&T Co., Ltd.**

**Type: SST 165-72M**

**Models: SST 185-72M, SST 180-72M, SST 175-72M, SST 170-72M, SST 165-72M, SST 160-72M, SST 155-72M**

**Specifications:** 72 CEEG monocrystalline silicon cells, Cixi Renhe j-box (PV-RH0502B) and connectors, EVA encapsulant, TPT backsheet, tempered glass superstrate, and anodized aluminum alloy frame. Max system voltage is 1000 V. (See photos on the back.)

**Manufacturer's Address:** CEEG (Shanghai) Solar Science and Technology Co., Ltd., No. 68 West GangDe Road, Songjiang District, Shanghai, China

**Tested type:** SST 165-72M      **Sampling:** Sixteen manufacturer-supplied unconditioned test samples

**Test samples received:** 7/20/07, 4/4/08 and 5/15/08

**Tests conducted from:** 7/24/07 to 1/29/08, 4/7/08 to 9/16/08, 10/17/08 to 10/31/08

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

**Web:** [www.poly.asu.edu/ptl](http://www.poly.asu.edu/ptl)

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

**Test data and analysis detailed in Test Reports:** [R-CEG07002a](#)

**PTL Projects:** [CEG07002](#), [CEG07002a](#), [CEG07002b](#)

**Certificate Issue Date:** Nov. 4, 2008



The **Arizona State University Photovoltaic Testing Laboratory (ASU-PTL)** acknowledges that the above photovoltaic test samples have satisfied the requirements of the following test standard(s):

**1. IEC 61215: Crystalline silicon terrestrial photovoltaic (PV) modules - Design qualification and type approval [2005-04].**

Models listed above qualified based upon IEC Retest Guidelines [12/30/04] and IEC/TC82/WG2 Type and Model Conventions [4/16/02].

In addition to the regular IEC61215 Static Load test (2400 Pa), this design also satisfied the requirements of the IEC61215 Heavy Snow Load test (5400 Pa).

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.*

*This test certificate pertains only to the modules tested at the date of test and does not guarantee any past or future performance.*

*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.*

*This certificate is valid only with the accompanying photos on the back.*

Dr. Govindasamy Tamizhmani, Director  
Certifying Authority

Joseph M. Kuitche, Operations Manager  
Certifying Witness

Bo Li, Test Manager  
Certifying Witness