

# ASU-PTL Photovoltaic Module Qualification

Type Test Certificate C1-YNE06001a is awarded to

**Manufacturer: Yingli New Energy**

**Type: YL175(23)P**

**Models: YL185(23)P, YL180(23)P, YL175(23)P, YL170(23)P, YL165(23)P, YL160(23)P, YL155(23)P**

**Specifications:** 48 polycrystalline silicon cells, plastic junction box, EVA encapsulant, TPT backsheet, tempered glass superstrate, and aluminum frame. Maximum system voltage is 1000 V. (See photos on the back.)

**Tested type:** YL175(23)P      **Sampling:** Eight manufacturer-supplied unconditioned test samples

**Test samples received:** 11/12/06

**Tests conducted from:** 11/14/06

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

**To:** 2/8/07

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

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

**Manufacturer's Address:** Yingli New Energy, 11, Huaxian Road, High-Tech Industrial Development Zone, Baoding 071051, China

**Test data and analysis detailed in Test Report #:** R-YNE06001a

**Certificate Issue Date:** February 22, 2007

**PTL Project:** YNE06001a

Certificate #0921-01

Since 6/23/97



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

The YL175(23)P qualified by similarity to the YLDJ-2 (project YNE04006) based upon IEC Retest Guidelines [12/30/04]. Models listed above qualified based upon IEC Retest Guidelines [12/30/04] 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 product or process modifications, limited re-testing is required to maintain valid certification according to the applicable Retest Guidelines.*

*G. Tamizhmani*  
Dr. Govindasamy Tamizh-Mani, Director  
Certifying Authority

*Joseph Kuitche*  
Joseph Kuitche, Operations Manager  
Certifying Witness

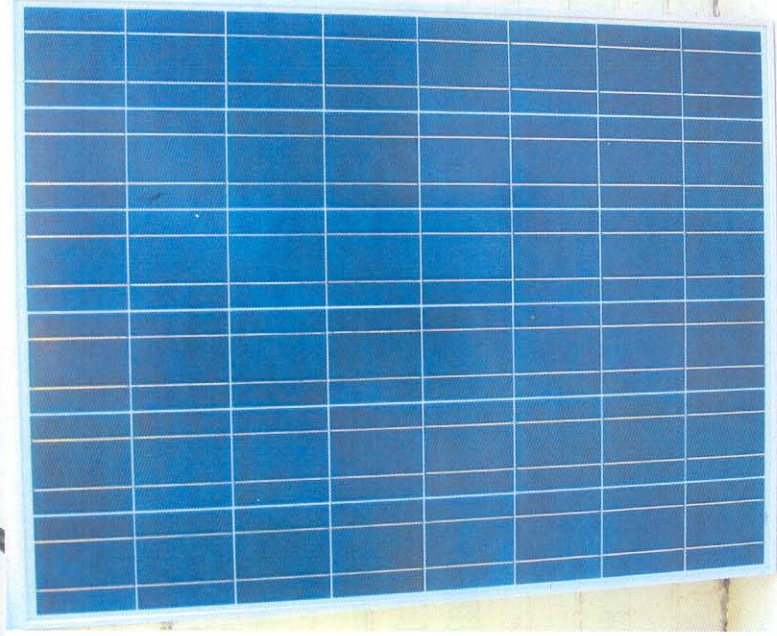
*Bo Li*  
Bo Li, Test Manager  
Certifying Witness



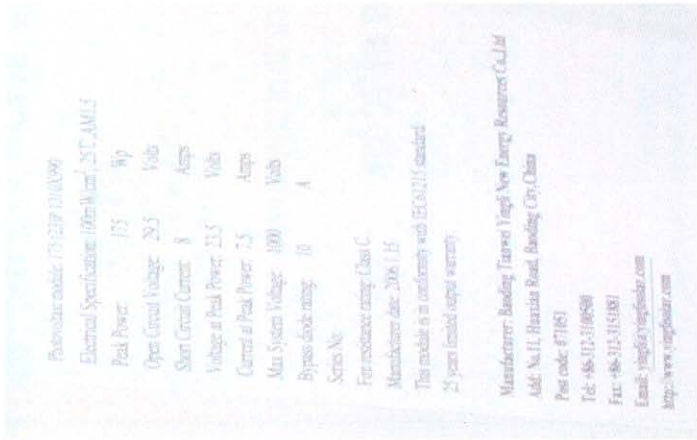
Junction Box



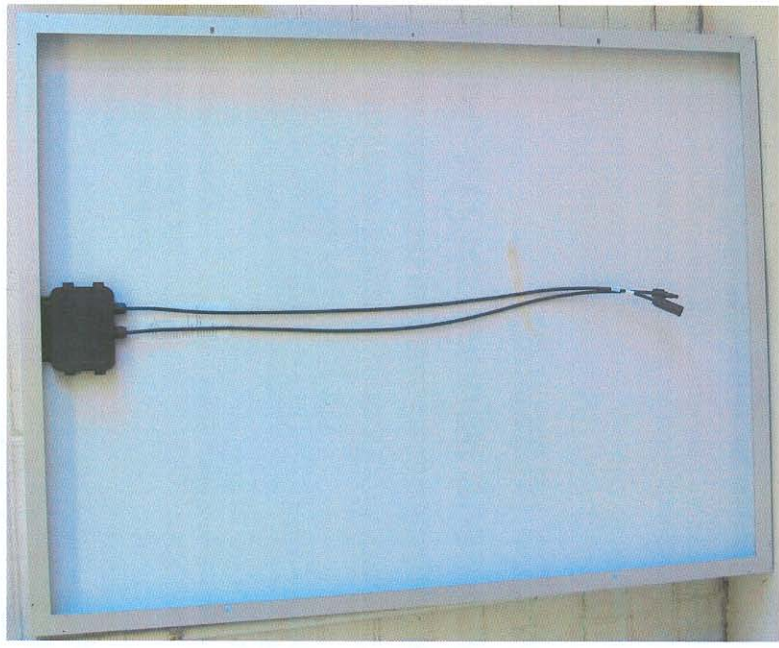
Connectors



Name Plate



Front



Back

These are photos of the Yingli New Energy Resources YL175(23)P modules that were tested during project YNE-06001a.