

ASU-PTL Photovoltaic Module Qualification

Type Test Certificate C1-ULS06001a is awarded to

Manufacturer: NINGBO SHANSHAN ULICA
Solar Science and Technology Co., Ltd.

Type: UL-160M35W

Models: UL-165M35W, UL-160M35W, UL-155M35W, UL-150M35W, UL-145M35W, UL-140M35W

Specifications: 72 monocrystalline silicon ULICA cells, Yukita j-box, EVA encapsulant, TPT backsheet, tempered glass superstrate, aluminum frame. Maximum system voltage is 1000 V. (See photos on the back.)

Tested type: UL-160M35W Sampling: Twelve manufacturer-supplied unconditioned test samples

Test samples received: 6/13/06, 12/12/06

Tests conducted from: 6/14/06

To: 3/7/07

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

Web: www.poly.asu.edu/ptl

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

Manufacturer's Address: Shanshan S8T Park, Yinxian Rd, Guin Town, Yinzhou District Ningbo, Zhejiang, 315177, P. R. China

Test data and analysis detailed in Test Report #: R-ULS06001a

PTL Projects: ULS06001, ULS06001a

Original Certificate Issue Date: March 13, 2007



Certificate #0921-01
Since 6/23/97

The **Arizona State University Photovoltaic Testing Laboratory (ASU-PTL)** acknowledges that the above 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].

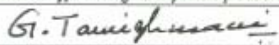
Models listed above qualified based upon IEC Retest Guidelines [12/30/04] and IEC/TC82/ WG2 Type and Model Conventions [4/15/02].

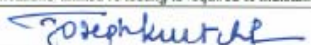
All tests in the above listed test standard(s) are within the ASU-PTL's scope of accreditation. Exception(s): None


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.


Dr. Govindasamy Tamizh-Mani, Director
Certifying Authority


Joseph M. Kuitche, Operations Manager
Certifying Witness


Bo Li, Test Manager
Certifying Witness