

ASU-PTL Photovoltaic Module Qualification

Type Test Certificate C1-DAS08001 is awarded to

Manufacturer: Anji DaSol Solar Energy Science and Technology Co., Ltd.

Type: DS-A4-220W

Models: DS-A4-230W, DS-A4-220W, DS-A4-210W, DS-A4-200W, DS-A4-195W

Specifications: 60 polycrystalline silicon cells from Q-Cells, Cixi Renhe j-box (PV-RH701), EVA encapsulant, TPT backsheet, tempered glass superstrate. Maximum system voltage is 1000 V. (See photos on back.)

Tested type: DS-A4-220W Sampling: Sixteen manufacturer-supplied unconditioned test samples
Test samples received: 9/25/08, 1/26/09 & 4/2/09
Tests conducted from: 10/6/08 to 3/17/09
Tests conducted at: PTL, 7349 E. Unity 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: The Health Industrial Park, Anji, Zhejiang, China

Test data and analysis detailed in Test Report #: R-DAS08001U

PTL Project: DAS08001U-LZ & DAS08001-LZ

Original Certificate Issue Date: May 18, 2009



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: 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].

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 Tamizh-mani, Director
Certifying Authority

Joseph M. Kuitche, Operations Manager
Certifying Witness

Bo Li, Test Manager
Certifying Witness