

# ASU-PTL Photovoltaic Module Qualification

Type Test Certificate C1-BPS07006 is awarded to

**Manufacturer: BP Solar**

**Type: BP4170N**

**Models: BP4180N, BP4175N, BP4170N, BP4165N, BP4160N, BP4155N**

Specifications: 72 monocrystalline silicon cells (part # 5001.0024), BP Solar wirehold j-box, EVA encapsulant, PET backsheet, tempered glass superstrate, and anodized aluminum frame. Maximum system voltage is 1000 V. (See photos on the back.)

Tested type: BP4170N Sampling: Seven manufacturer-supplied unconditioned test samples

Test samples received: 4/3/07

Tests conducted from: 4/4/07

To: 8/23/07

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).

Manufacturer's Address: BP Solar, 630 Solarex Court, Frederick, MD, 21703

Test data and analysis detailed in Test Reports: [R-BPS07006](#)

PTL Project: [BPS07006](#)

Original Certificate Issue Date: [August 28, 2007](#)



Testing Cert. #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: Crystalline silicon terrestrial photovoltaic (PV) modules - Design qualification and type approval [2005-04].**

The BP4170N qualified by similarity to the BP4170S (ASU-PTL Certificate C1-BPS07002) 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.*

*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.*

Dr. Govindasamy Tamizh-Mani, Director  
Certifying Authority

Joseph M. Kuitche, Operations Manager  
Certifying Witness

Bo Li, Test Manager  
Certifying Witness