# ASU-PTL Photovoltaic Module Qualification

## Type Test Certificate C1-BPS07017 is awarded to

## Manufacturer: BP Solar

## Type: SX3200B

**Models: SX3200B, SX3195B, SX3190B, SX3200W, SX3195W, SX3190W, SX3200N, SX3195N, SX3190N, SX3185N, BP3195N, BP3190N, BP3185N, BP3180N**

Specifications: 50 polycrystalline silicon cells, two BP Solar Wirehold j-boxes, MC connectors, EVA encapsulant, PET backsheet, tempered glass superstrate, and anodized aluminum frame. Maximum system voltage is 1000 V. (See photos on the back.)

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| Tested type: | SX3200B | Sampling: | One manufacturer-supplied unconditioned test sample |
| Test sample received: | 11/7/07 | | |
| Tests conducted from: | 11/10/07 | To: | 12/17/07 |
| 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: BP Solar, 630 Solarex Court, Frederick, MD, 21703

Test data and analysis detailed in Test Reports: R-BPS07017 PTL Project: BPS07017

Original Certificate Issue Date: January 3, 2008

A2LA ACCREDITED
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 SX3200B qualified by similarity to the BP3210N (project BPS07003a) and the BP4170N (project BPS07006) 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.*

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|---|---|---|
| G. Tamizh-mani | Joseph Kuitche | Bo Li |
| Dr. Govindasamy Tamizh-Mani, Director | Joseph M. Kuitche, Operations Manager | Bo Li, Test Manager |
| Certifying Authority | Certifying Witness | Certifying Witness |