

ASU-PTL Photovoltaic Module Qualification

Type Test Certificate C1-BPS07003a is awarded to

Manufacturer: BP Solar

Type: BP3210N

Models: BP3230N, BP3220N, BP3210N, BP3200N

Specifications: 60 polycrystalline silicon cells, BP Solar j-box (p/n 6511.0071) and MC connectors, EVA encapsulant, PET backsheet, tempered glass superstrate, and anodized aluminum frame. Maximum system voltage is 1000 V. (See photos on the back.)

Tested type: BP3210N **Sampling:** Ten manufacturer-supplied unconditioned test samples

Test samples received: 6/13/07

Tests conducted from: 6/1307 **To:** 9/26/07

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-BPS07003a](#) **PTL Project:** [BPS07003a](#)

Original Certificate Issue Date: [October 1, 2007](#)



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

The BP3210N qualified by similarity to the BP3210S (project BPS04011) 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

Dr. Govindasamy Tamizh-Mani, Director
Certifying Authority

Joseph M. Kuitche

Joseph M. Kuitche, Operations Manager
Certifying Witness

Bo Li

Bo Li, Test Manager
Certifying Witness