

Model BS-500BK Si Photodiode detector

for silicon solar cell Solar Cell (DSC)

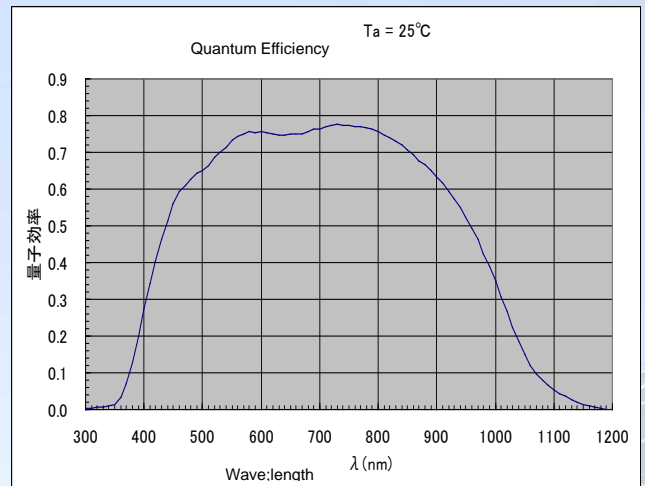


Adjustment of the light intensity of the solar simulator

The BS-520BK is the Photodiode detector which is calibrated by the solar simulator whose light intensity is calibrated by the secondary reference crystalline silicon solar cells. The BS-500BK show the similar spectral response to those shown by the monocrystal and polycrystal wafer.

■ Features

1. The BS-500BK can be used to adjust light intensity of the solar simulators that evaluate the output of crystalline solar cells.
2. The crystalline solar cells show the sensitivity in the wide wavelength range. The BS-500BK shows the similar spectral response to those of the monocrystal and polycrystal wafers.
3. The current value in 1SUN has been described on each of BS-500BK detector.
4. The spectral response data for each BS-520BK can be offered optionally.



■ Usage

1. Turn on the light of the solar simulator.
2. Place the BS-500BK detector to the irradiation area.
3. Set the alligator clips on the pins of the BS-500BK and then connect the cables to the circuit tester.
4. Check the value of the output current of the BS-500BK.
5. Adjust the irradiation intensity of the solar simulator to the current value described on the BS-520BK detector.

■ Related products

Model BS-520BK Si Photodiode



For Amorphous silicon (a-Si) solar cell and the Dye-sensitized Solar Cell (DSC)

*The specifications are subject to change without prior notice.

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