UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

Form 8-K

Current Report

Pursuant to Section 13 or 15(d) of the Securities Exchange Act of 1934 Date of Report (Date of earliest event reported): August 29, 2012

SunPower Corporation

(Exact name of registrant as specified in its charter)

001-34166

(Commission File Number)

Delaware

(State or other jurisdiction of incorporation)

94-3008969

(I.R.S. Employer Identification No.)

77 Rio Robles, San Jose, California 95134

(Address of principal executive offices, with zip code)

(408) 240-5500

(Registrant's telephone number, including area code)

Check the appropriate box below if the Form 8-K filing is intended to simultaneously satisfy the filing obligation of the registrant under any of the following provisions (*see* General Instruction A.2. below):

- o Written communications pursuant to Rule 425 under the Securities Act (17 CFR 230.425)
- o Soliciting material pursuant to Rule 14a-12 under the Exchange Act (17 CFR 240.14a-12)
- o Pre-commencement communications pursuant to Rule 14d-2(b) under the Exchange Act (17 CFR 240.14d-2(b))
- o Pre-commencement communications pursuant to Rule 13e-4(c) under the Exchange Act (17 CFR 240.13e-4(c))

Item 5.02. Departure of Directors or Certain Officers; Election of Directors; Appointment of Certain Officers; Compensatory Arrangements of Certain Officers.

(b) On August 29, 2012, Ms. Betsy S. Atkins, a director of SunPower Corporation (the "Company") since 2005, notified the Company of her decision to resign from the Board of Directors effective August 31, 2012 to pursue other business interests. In her letter to the Chief Executive Officer and Chairman of the Board of the Company, she stated, "I have very much enjoyed the opportunity to work closely with you and the team these past years as you have led SunPower through its IPO to become the market leader in high efficiency solar. Regrettably, in order to pursue other business interests, I am resigning from the board effective August 31, 2012."

SIGNATURE

Pursuant to the requirements of the Securities Exchange Act of 1934, the Registrant has duly caused this report to be signed on its behalf by the undersigned hereunto duly authorized.

SUNPOWER CORPORATION

Date: August 30, 2012

By: /S/ LISA BODENSTEINER

Name: Lisa Bodensteiner

Title: Executive Vice President and General Counsel