

UNITED STATES
SECURITIES AND EXCHANGE COMMISSION
Washington, D.C. 20549

SCHEDULE 13G

INFORMATION STATEMENT TO BE INCLUDED IN STATEMENTS FILED
PURSUANT TO RULES 13d-1 (b) (c) AND (d) AND AMENDMENTS THERETO FILED
PURSUANT TO RULE 13d-2 (b)

(Amendment No. __)*

SunPower Corp

(Name of Issuer)

Common Stock

(Title of Class of Securities)

867652109

(CUSIP Number)

December 31, 2006

(Date of Event Which Requires Filing of This Statement)

Check the appropriate box to designate the rule pursuant to which this Schedule is filed:

- Rule 13d-1(b)
 Rule 13d-(c)
 Rule 13d-1(d)

* The remainder of this cover page shall be filled out for a reporting person's initial filing on this form with respect to the subject class of securities, and for any subsequent amendment containing information which would alter the disclosures provided in a prior cover page.

The information required in the remainder of this cover page shall not be deemed to be "filed" for the purpose of Section 18 of the Securities Exchange Act of 1934 ("Act") or otherwise subject to the liabilities of that section of the Act but shall be subject to all other provisions of the Act (however, see the Notes).

1 NAME OF REPORTING PERSON
S.S. or I.R.S. IDENTIFICATION OF ABOVE PERSON

RCM Capital Management LLC (IRS No. 94-3244780)

2 CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP*

(a)

(b)

3 SEC USE ONLY

4 CITIZENSHIP OR PLACE OF ORGANIZATION

Delaware

5 SOLE VOTING POWER

NUMBER OF
SHARES
BENEFICIALLY
OWNED BY
EACH
REPORTING
PERSON
WITH

1,096,772

6 SHARED VOTING POWER

7 SOLE DISPOSITIVE POWER

1,183,992

8 SHARED DISPOSITIVE POWER

9,370

9 AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON

1,193,362

10 CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES*

11 PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9)

6.94

12 TYPE OF REPORTING PERSON*

IA

***SEE INSTRUCTION BEFORE FILLING OUT!**

- Item 1** (a) Name of Issuer:
SunPower Corp
- (b) Address of Issuer's Principal Executive Offices:
3939 North First Street
San Jose, CA 95134

- Item 2** (a) Name of Person Filing:
RCM Capital Management LLC
- (b) Address of Principal Business Office:
Four Embarcadero Center
San Francisco, California 94111
- (c) Citizenship:
Delaware, USA
- (d) Title of Class of Securities:
Common Stock
- (e) CUSIP Number:
867652109

Item 3 If this statement is filed pursuant to Rule 13d-1(b), or 13d-2(b), check whether the person filing is a:

- (a) Broker or dealer registered under Section 15 of the Exchange Act;
- (b) Bank as defined in Section 3(a)(6) of the Exchange Act;
- (c) Insurance company as defined in Section 3(a)(19) of the Act;
- (d) Investment company registered under Section 8 of the Investment Company Act;
- (e) Investment adviser registered under Section 203 of the Investment Advisors Act of 1940;
- (f) Employee benefit plan or endowment fund in accordance with Rule 13d-1(b)(1)(ii)(F);
- (g) Parent holding company or control person, in accordance with 13d-1(b)(ii)(G);
- (h) Savings association as defined in Section 3(b) of the Federal Deposit Insurance Act;
- (i) Church plan that is excluded from the definition of an investment company under Section 3(c)(14) of the Investment Company Act;
- (j) Group, in accordance with Rule 13d-1(b)(1)(ii)(H).

If this statement is filed pursuant to Rule 13d-1(c), check this box.

Item 4 Ownership.

(a) Amount beneficially owned:

1,193,362**

(b) Percent of Class:

6.94**

(c) Number of shares as to which such person has:

(i) Sole power to vote or direct the vote:

1,096,772**

(ii) Shared power to vote:

-0-

(iii) Sole power to dispose or direct the disposition of:

1,183,992**

(iv) Shared power to dispose or direct the disposition of:

9,370**

**This report is being filed on behalf of RCM Capital Management LLC, a Delaware limited liability company and/or certain investment advisory clients or discretionary accounts relating to their collective beneficial ownership of shares of common stock of the Issuer. RCM Capital Management LLC is a registered investment adviser under Section 203 of the Investment Advisers Act of 1940. As a result of its role as investment adviser RCM Capital Management LLC may be deemed to be the beneficial owner of the securities of the Issuer.

Item 5 Ownership of Five Percent or Less of a Class.

If this statement is being filed to report the fact that as of the date hereof the reporting person has ceased to be the beneficial owner of more than five percent of the class of securities, check the following

Item 6 Ownership of More than Five Percent on Behalf of Another Person.

Not applicable.

Item 7 Identification and Clarification of the Subsidiary Which Acquired the Security Being Reported on By the Parent Holding Company.

Not Applicable.

Item 8 Identification and Clarification of Members of the Group.

Not Applicable.

Item 9 Notice of Dissolution of Group.

Not Applicable.

Item 10 Certification.

By signing below I certify that, to the best of my knowledge and belief, the securities referred to above were acquired in the ordinary course of business and were not acquired for the purpose of and do not have the effect of changing or influencing the control of the issuer of the securities and were not acquired and are not held in connection with or as a participant in any transaction having that purpose or effect.

SIGNATURE

After reasonable inquiry and to the best of my knowledge and belief, I certify that the information set forth in this statement is true, complete and correct.

Date: February 8, 2007

By /s/ Gregory M. Siemons
Gregory M. Siemons
Director, Head of Compliance
RCM Capital Management LLC