SECURITIES AND EXCHANGE COMMISSION WASHINGTON, D.C. 20549

SCHEDULE 13G

(RULE 13D-102)

INFORMATION 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)

SunPower Corporation				
(Name of Issuer)				
Class A Common Stock, \$0.001 par value				
(Title of Class of Securities)				
(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-1(c)				
□ Rule 13d-1(d)				

CU	SIP No. 86765210	9			13G			
1.	NAMES OF REPORTING PERSONS							
	I.R.S. IDENTIFIC	CATION	NO. OF ABOVE PERSONS	(ENTITIES ON	LY)			
		.	D: 1:					
2			Dinwoodie ATE BOX IF A MEMBER (DE A CROUD				
۷.	(a) □	PROPRI	ALE BOX IF A MEMBER	JF A GROUP				
	(b) ⊠							
	Not applica	ble.						
3.	SEC USE ONLY							
4.	CITIZENSHIP O	R PLACI	E OF ORGANIZATION					
	USA							
	UJA	5. SO	LE VOTING POWER					
		3. 30.						
	Number of Shares		2,315,9791					
	Beneficially	6. SH.	ARED VOTING POWER					
	Owned by		0					
	Each	7. SO	LE DISPOSITIVE POWER					
	Reporting Person		2,315,9791					
	With:	8. SH.	ARED DISPOSITIVE POW	ER				
			0					
0	ACCDEC ATE A	MOLINIT	0 BENEFICIALLY OWNED	DV E A CHI DEDC	DETING DEDCOM			
9.	AGGREGALE A	MOONI	DENEFICIALLY OWNED	DY EACH REPC	JRTING PERSON			
	2,315,	9791						
10.	CHECK IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES							
11.	PERCENT OF C	LASS RE	PRESENTED BY AMOUN	T IN ROW 9				
	10.60/	ว						
12		$10.6\%^2$ FYPE OF REPORTING PERSON						
14,	TITE OF KEI O	KIING I	ERSON					
	IN							
1	Represents 2,29	1,285 sha	res owned directly by Mr. D	inwoodie, 12,347	shares owned by the	Jaelyn Wolf Irrevocable	Trust UAD May 5, 2005,	of which Mr.
	Dinwoodie is th	e Trustee,	and 12,347 shares owned b	the Ariel Wolf I	rrevocable Trust UAI	D May 5, 2005, of which	Mr. Dinwoodie is the Trus	stee.
2	SunPower has to	wo classes	of common stock outstand	ng: class A, with	one vote per share an	id class B, with eight vote	es per share. All 52,033,28	37

outstanding shares of class B common stock are owned by Cypress Semiconductor Corporation. The 2,315,979 shares of which Mr. Dinwoodie has beneficial ownership represent 0.5% of the total voting power of SunPower's outstanding common stock.

Item 1	(a).	Name of Issuer:						
		SunPower Corporation						
Item 1	(b).	Address of Issuer's Principal Executive Offices:						
		3939 North First Street, San Jose, CA 95134						
Item 2	(a).	Name of Person Filing:						
		Thomas Linn Dinwoodie						
Item 2	(b).	Address of Principal Business Office, or, if None, Residence:						
		3939 North First Street, San Jose, CA 95134						
Item 2	(c).	Citizenship:						
		USA						
Item 2	(d).	Title of Class of Securities:						
		Class A Common Stock, \$0.001 par value						
Item 2	(e).	CUSIP Number:						
		867652109						
Item 3.	If this st	this statement is filed pursuant to Rule 13d-1(b), or 13d-2(b) or (c), check whether the person filing is a:						
	(a)	\square Broker or dealer registered under Section 15 of the Exchange Act;						
	(b)	\square Bank as defined in Section 3(a)(6) of the Exchange Act;						
	(c)	☐ Insurance company as defined in Section 3(a)(19) of the Exchange Act;						
	(d)	☐ Investment company registered under Section 8 of the Investment Company Act;						
	(e)	\square An investment adviser in accordance with Rule 13d-1(b)(1)(ii)(E);						
	(f)	\square An employee benefit plan or endowment fund in accordance with Rule 13d-1(b)(1)(ii)(F);						
	(g)	\square A parent holding company or control person in accordance with Rule 13d-1(b)(1)(ii)(G);						
	(h)	\square A savings association as defined in Section 3(b) of the Federal Deposit Insurance Act;						
	(i)	☐ A 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)(J).						

Item 4. Ownership.

Provide the following information regarding the aggregate number and percentage of the class of securities of the issuer identified in Item 1.

(a) Amount beneficially owned:

 $2,315,979^{1}$

(b) Percent of class:

10.6%2

- (c) Number of shares as to which the person has:
 - (i) Sole power to vote or direct the vote
 2,315,979¹
 - (ii) Shared power to vote or direct the vote

0

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

 $2,315,979^{1}$

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

0

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 \Box .

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

The beneficiary of the Jaelyn Wolf Irrevocable Trust UAD May 5, 2005 has the right to receive dividends from, and the proceeds from the sale of, 12,347 shares. The beneficiary of the Ariel Wolf Irrevocable Trust UAD May 5, 2005 has the right to receive dividends from, and the proceeds from the sale of, 12,347 shares.

Item 7. Identification and Classification of the Subsidiary Which Acquired the Security Being Reported on by the Parent Holding Company or Control Person.

Not applicable.

Item 8. Identification and Classification of Members of the Group.

Not applicable

Item 9. Notice of Dissolution of Group.

Not applicable

Item 10. Certifications.

By signing below I certify that, to the best of my knowledge and belief, the securities referred to above were not acquired and are not held for the purpose of or with 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.

- Represents 2,291,285 shares owned directly by Mr. Dinwoodie, 12,347 shares owned by the Jaelyn Wolf Irrevocable Trust UAD May 5, 2005, of which Mr. Dinwoodie is the Trustee, and 12,347 shares owned by the Ariel Wolf Irrevocable Trust UAD May 5, 2005, of which Mr. Dinwoodie is the Trustee.
- SunPower has two classes of common stock outstanding: class A, with one vote per share and class B, with eight votes per share. All 52,033,287 outstanding shares of class B common stock are owned by Cypress Semiconductor Corporation. The 2,315,979 shares of which Mr. Dinwoodie has beneficial ownership represent 0.5% of the total voting power of SunPower's outstanding common stock.

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.

/s/ Thomas Linn Dinwoodie

Thomas Linn Dinwoodie

Dated: January 22, 2007