

Eller Ron
Form 4
March 23, 2011

FORM 4

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

Check this box
if no longer
subject to
Section 16.
Form 4 or
Form 5
obligations
may continue.
See Instruction
1(b).

**STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF
SECURITIES**

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934,
Section 17(a) of the Public Utility Holding Company Act of 1935 or Section
30(h) of the Investment Company Act of 1940

OMB APPROVAL

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(Print or Type Responses)

1. Name and Address of Reporting Person *
Eller Ron

2. Issuer Name **and** Ticker or Trading
Symbol
Ascent Solar Technologies, Inc.
[ASTI]

5. Relationship of Reporting Person(s) to
Issuer

(Check all applicable)

(Last) (First) (Middle)

C/O ASCENT SOLAR
TECHNOLOGIES, INC., 12300
GRANT STREET

3. Date of Earliest Transaction
(Month/Day/Year)
03/21/2011

☒ Director ☐ 10% Owner
☐ Officer (give title below) ☐ Other (specify below)

(Street)

4. If Amendment, Date Original
Filed(Month/Day/Year)

6. Individual or Joint/Group Filing(Check
Applicable Line)

☒ Form filed by One Reporting Person
☐ Form filed by More than One Reporting
Person

THORNTON, CO 80241

(City) (State) (Zip)

Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned

1. Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)	2A. Deemed Execution Date, if any (Month/Day/Year)	3. Transaction Code (Instr. 8)	4. Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5)	5. Amount of Securities Beneficially Owned Following Reported Transaction(s) (Instr. 3 and 4)	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Indirect Beneficial Ownership (Instr. 4)
Common Stock	03/21/2011		M	4,836 A	\$ 0 (1)	14,830	D
Common Stock	03/23/2011		S(2)	2,400 D	\$ 2.68	12,430	D

Reminder: Report on a separate line for each class of securities beneficially owned directly or indirectly.

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information contained in this form are not
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(9-02)

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Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned
(e.g., puts, calls, warrants, options, convertible securities)

1. Title of Derivative Security (Instr. 3)	2. Conversion or Exercise Price of Derivative Security	3. Transaction Date (Month/Day/Year)	3A. Deemed Execution Date, if any (Month/Day/Year)	4. Transaction Code (Instr. 8)	5. Number of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5)	6. Date Exercisable and Expiration Date (Month/Day/Year)	7. Title and Amount of Underlying Securities (Instr. 3 and 4)	8. Price or Value of Underlying Securities (Instr. 3 and 4)
Restricted Stock Units	(1)	03/21/2011		M	4,836	(3) (3)	Common Stock	4,836

Reporting Owners

Reporting Owner Name / Address

Relationships

Director 10% Owner Officer Other

Eller Ron
C/O ASCENT SOLAR TECHNOLOGIES, INC.
12300 GRANT STREET
THORNTON, CO 80241

X

Signatures

/s/ Jason Day,
Attorney-in-Fact 03/23/2011

Signature of Reporting Person Date

Explanation of Responses:

* If the form is filed by more than one reporting person, see Instruction 4(b)(v).

** Intentional misstatements or omissions of facts constitute Federal Criminal Violations. See 18 U.S.C. 1001 and 15 U.S.C. 78ff(a).

(1) Each restricted stock unit represents a contingent right to receive one share of the issuer's common stock.

(2) The shares were sold pursuant to a sales plan adopted by the reporting person on January 13, 2010 and intended to comply with Rule 10b5-1 under the Securities Exchange Act of 1934.

(3) The restricted stock units vest in four equal installments on March 21, 2011, June 20, 2011, September 19, 2011 and December 19, 2011.

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, see Instruction 6 for procedure.

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