

Ascent Solar Technologies, Inc.  
Form 8-K  
August 10, 2007

**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 10, 2007**

**ASCENT SOLAR TECHNOLOGIES, INC.**

(Exact name of registrant as specified in its charter)

**Delaware**  
(State or other jurisdiction  
of incorporation)

**001-32919**  
(Commission  
File Number)

**20-3672603**  
(I.R.S. Employer  
Identification No.)

**8120 Shaffer Parkway**  
**Littleton, Colorado**  
(Address of principal executive offices)

**80127**  
(Zip Code)

Registrant's telephone number, including area code: **(303) 285-9885**

Former name or former address, if changed since last report

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:

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



**Item 8.01 Other Events.**

On August 10, 2007, Ascent Solar Technologies, Inc. (the Company ) announced that it intends to voluntarily withdraw its common stock and Class B warrants from listing on the Boston Stock Exchange ( BSE ). The Company s common stock and Class B warrants will continue to be listed on the NASDAQ Capital Market, the Company s principal listing exchange. Company management had determined that is in the best interests of the Company and its stockholders to voluntarily withdraw from BSE in order to reduce duplicative administrative burdens and costs associated with dual listing. A press release relating to the announcement accompanies this Form 8-K as an exhibit

**Item 9.01 Financial Statements and Exhibits.**

(d) Exhibits

99.1 Press Release titled Ascent Solar Announces Intent to Voluntarily Withdraw Dual Listing from Boston Stock Exchange

**SIGNATURES**

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.

ASCENT SOLAR TECHNOLOGIES, INC.

August 10, 2007

By: /s/ Matthew B. Foster  
Name: Matthew B. Foster  
Title: President & CEO