
**UNITED STATES
SECURITIES AND EXCHANGE COMMISSION**
Washington, DC 20549

FORM 8-A

**FOR REGISTRATION OF CERTAIN CLASSES OF SECURITIES
PURSUANT TO SECTION 12(b) OR (g) OF THE
SECURITIES EXCHANGE ACT OF 1934**

Vivint Solar, Inc.

(Exact name of registrant as specified in its charter)

Delaware
(State of incorporation or organization)

45-5605880
(I.R.S. Employer Identification No.)

3301 N. Thanksgiving Way, Suite 500
Lehi, Utah 84043
(Address of principal executive offices and zip code)

Securities to be registered pursuant to Section 12(b) of the Act:

Title of each class
to be so registered
Common Stock, par value \$0.01 per share

Name of each exchange on which
each class is to be registered
The New York Stock Exchange

If this form relates to the registration of a class of securities pursuant to Section 12(b) of the Exchange Act and is effective pursuant to General Instruction A.(c), check the following box.

If this form relates to the registration of a class of securities pursuant to Section 12(g) of the Exchange Act and is effective pursuant to General Instruction A.(d), check the following box.

Securities Act registration statement file number to which this form relates: 333-198372

Securities to be registered pursuant to Section 12(g) of the Act: None

Item 1. Description of Registrant's Securities to be Registered

Vivint Solar, Inc. (the "Registrant") hereby incorporates by reference the description of its common stock, par value \$0.01 per share, to be registered hereunder contained under the heading "Description of Capital Stock" in the Registrant's Registration Statement on Form S-1 (File No. 333-198372), as originally filed with the Securities and Exchange Commission (the "Commission") on August 26, 2014, as amended (the "Registration Statement"), and in the prospectus included in the Registration Statement to be filed separately by the Registrant with the Commission pursuant to Rule 424(b) under the Securities Act of 1933, as amended, which prospectus shall be deemed to be incorporated by reference herein.

The securities have been approved for listing on the New York Stock Exchange under the symbol "VSLR."

Item 2. Exhibits

Pursuant to the Instructions as to Exhibits with respect to Form 8-A, no exhibits are required to be filed, because no other securities of the Registrant are registered on The New York Stock Exchange and the securities registered hereby are not being registered pursuant to Section 12 (g) of the Securities Exchange Act of 1934, as amended.

SIGNATURE

Pursuant to the requirements of Section 12 of the Securities Exchange Act of 1934, the registrant has duly caused this registration statement to be signed on its behalf by the undersigned, thereto duly authorized.

Date: September 24, 2014

VIVINT SOLAR, INC.

By: /s/ Gregory S. Butterfield

Gregory S. Butterfield
Chief Executive Officer and President