
**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): September 10, 2015

SOLAREEDGE TECHNOLOGIES, INC.

(Exact name of registrant as specified in its charter)

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

**001-36894
(Commission
File Number)**

**20-5338862
(IRS Employer
Identification No.)**

**1 HaMada Street, Herzliya Pituach, Israel 4673335
(Address of Principal Executive Offices)**

**972 (9) 957-6620
(Registrant's telephone number, including area code)**

**N/A
(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 (see General Instructions A.2 below):

- 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))
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Item 7.01. Regulation FD Disclosure.

On September 10, 2015, SolarEdge Technologies, Inc. issued a press release announcing a new inverter design and its HD-Wave technology.

The press release is attached hereto as Exhibit 99.1 and incorporated herein by reference.

Item 9.01. Financial Statements and Exhibits.

(d) List of Exhibits

<u>Exhibit</u> <u>No.</u>	<u>Description</u>
Exhibit 99.1	Press release dated September 10, 2015

SIGNATURE

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.

SOLAREEDGE TECHNOLOGIES, INC.

Date: September 10, 2015

By: /s/ Ronen Faier

Name: Ronen Faier

Title: Chief Financial Officer

Exhibit Index

Exhibit No. Description

Exhibit 99.1 Press release dated September 10, 2015



SolarEdge Announces Leap in Solar Inverters with HD-Wave Technology

Novel approach to inverter design will significantly decrease inverter size and weight and achieve record efficiency

Fremont, California (September 10, 2015) – SolarEdge Technologies, Inc. (“SolarEdge”) (NASDAQ: SEDG), a global leader in PV inverters, power optimizers, and module-level monitoring services, introduces its new HD-Wave inverter technology. Based on its track record of optimized PV solutions, SolarEdge has developed a novel power conversion topology that represents one of the most significant leaps in solar technology in the past 20 years.

Inverters are the “brain” of the solar energy system, because they convert solar power into usable energy and are measured by size, efficiency, and reliability. While advances have been made in the solar inverter space throughout the years, the large size of magnetics and cooling components have significantly limited any leapfrogging in the inverter space. SolarEdge’s new HD-Wave technology will dramatically reduce the size of the inverter’s magnetics by means of advanced digital processing. At the same time, the new technology is designed to increase reliability and optimize the performance of solar energy systems to 99% efficiency and beyond, an increase that will provide more solar power at lower cost.

“Continued technological progress is required to make solar energy more competitive with fossil fuels,” said Guy Sella, CEO and Chairman of SolarEdge, “and inverters are the key component for accelerating the adoption of solar technology. We believe that our new HD-Wave technology is a significant milestone in the development of solar and further positions SolarEdge as a leader in a thriving industry.”

According to recent industry reports, the solar inverter market is estimated at nearly \$7 billion in 2015, with SolarEdge being a leading provider and among the fastest growing companies in the solar industry. With HD-Wave, SolarEdge enables continuous and rapid improvement of inverter technology and once again demonstrates its leadership in the solar technology field.

“We believe HD-Wave represents a significant milestone for solar inverter technology, akin to the transition from large glass tube TVs to the flat-screen,” stated Lior Handelsman, VP Marketing and Product Strategy of SolarEdge. “The use of digital processing will allow us to more quickly improve inverter size, efficiency, and reliability than the current industry standard and drive down the cost of solar.”

SolarEdge’s first inverters powered by HD-Wave technology will be available starting December 2015. SolarEdge will unveil the first inverter powered by its HD-Wave technology at Solar Power International in Anaheim, CA, September 14-17.

About SolarEdge:

SolarEdge provides an intelligent inverter solution that has changed the way power is harvested and managed in solar photovoltaic systems. The SolarEdge DC optimized inverter system maximizes power generation at the individual PV module-level while lowering the cost of energy produced by the solar PV system. The SolarEdge system consists of power optimizers, inverters and a cloud-based monitoring platform and addresses a broad range of solar market segments, from residential solar installations to commercial and small utility-scale solar installations. SolarEdge is online at <http://www.solaredge.com>

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