

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

OMB APPROVAL
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SCHEDULE 13G

Under the Securities Exchange Act of 1934

(Amendment No. \_\_\_)\*

**SolarEdge Technologies, Inc.**

(Name of Issuer)

**Common Stock, par value \$0.0001 per share**

(Title of Class of Securities)

**83417M104**

(CUSIP Number)

**December 31, 2016**

(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)

\* The remainder of this cover page shall be filled out for a reporting person's initial filing on this form with respect to the subject class of securities, and for any subsequent amendment containing information which would alter the disclosures provided in a prior cover page. Beneficial ownership information contained herein is given as of the date listed above.

The information required in the remainder of this cover page shall not be deemed to be "filed" for the purpose of Section 18 of the Securities Exchange Act of 1934 ("Act") or otherwise subject to the liabilities of that section of the Act but shall be subject to all other provisions of the Act (however, see the Notes).

1 Names of Reporting Persons.  
Odey Asset Management Group Ltd

2 Check the Appropriate Box if a Member of a Group (See Instructions)  
(a)   
(b)

3 SEC Use Only

4 Citizenship or Place of Organization.  
England

Number of Shares Beneficially Owned by Each Reporting Person With	5 Sole Voting Power 0 shares
	6 Shared Voting Power 3,301,780 shares Refer to Item 4 below.
	7 Sole Dispositive Power 0 shares
	8 Shared Dispositive Power 3,301,780 shares Refer to Item 4 below.

9 Aggregate Amount Beneficially Owned by Each Reporting Person  
3,301,780 shares  
Refer to Item 4 below.

10 Check if the Aggregate Amount in Row (9) Excludes Certain Shares (See Instructions)

11 Percent of Class Represented by Amount in Row (9)  
8.04%  
Refer to Item 4 below.

12 Type of Reporting Person (See Instructions)  
CO, HC

1 Names of Reporting Persons.  
Odey Asset Management LLP

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2 Check the Appropriate Box if a Member of a Group (See Instructions)  
(a)   
(b)

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3 SEC Use Only

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4 Citizenship or Place of Organization.  
England

Number of Shares Beneficially Owned by Each Reporting Person With	5 Sole Voting Power 0 shares
	6 Shared Voting Power 3,301,780 shares Refer to Item 4 below.
	7 Sole Dispositive Power 0 shares
	8 Shared Dispositive Power 3,301,780 shares Refer to Item 4 below.

9 Aggregate Amount Beneficially Owned by Each Reporting Person  
3,301,780 shares  
Refer to Item 4 below.

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10 Check if the Aggregate Amount in Row (9) Excludes Certain Shares (See Instructions)

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11 Percent of Class Represented by Amount in Row (9)  
8.04%  
Refer to Item 4 below.

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12 Type of Reporting Person (See Instructions)  
PN, IA

1 Names of Reporting Persons.  
Odey Holdings AG

2 Check the Appropriate Box if a Member of a Group (See Instructions)  
(a)   
(b)

3 SEC Use Only

4 Citizenship or Place of Organization.  
Switzerland

Number of Shares Beneficially Owned by Each Reporting Person With	5 Sole Voting Power 0 shares
	6 Shared Voting Power 3,301,780 shares Refer to Item 4 below.
	7 Sole Dispositive Power 0 shares
	8 Shared Dispositive Power 3,301,780 shares Refer to Item 4 below.

9 Aggregate Amount Beneficially Owned by Each Reporting Person  
3,301,780 shares  
Refer to Item 4 below.

10 Check if the Aggregate Amount in Row (9) Excludes Certain Shares (See Instructions)

11 Percent of Class Represented by Amount in Row (9)  
8.04%  
Refer to Item 4 below.

12 Type of Reporting Person (See Instructions)  
CO, HC

1 Names of Reporting Persons.  
Robin Crispin William Odey (“Crispin Odey”)

2 Check the Appropriate Box if a Member of a Group (See Instructions)  
(a)   
(b)

3 SEC Use Only

4 Citizenship or Place of Organization.  
England

Number of Shares Beneficially Owned by Each Reporting Person With	5	Sole Voting Power	0 shares
	6	Shared Voting Power	3,301,780 shares Refer to Item 4 below.
	7	Sole Dispositive Power	0 shares
	8	Shared Dispositive Power	3,301,780 shares Refer to Item 4 below.

9 Aggregate Amount Beneficially Owned by Each Reporting Person  
3,301,780 shares  
Refer to Item 4 below.

10 Check if the Aggregate Amount in Row (9) Excludes Certain Shares (See Instructions)

11 Percent of Class Represented by Amount in Row (9)  
8.04%  
Refer to Item 4 below.

12 Type of Reporting Person (See Instructions)  
IN, HC

**SCHEDULE 13G**

**Item 1**

**(a) Name of Issuer**

SolarEdge Technologies, Inc.

**(b) Address of Issuer's Principal Executive Offices**

1 HaMada Street, Herziliya Pituach 4673335, Israel

**Item 2**

**(a) Name of Person Filing**

Odey Asset Management Group Ltd  
Odey Asset Management LLP  
Odey Holdings AG  
Crispin Odey

**(b) Address of Principal Business Office or, if none, Residence**

Odey Asset Management Group Ltd  
Odey Asset Management LLP  
Odey Holdings AG  
Crispin Odey  
c/o Odey Asset Management Group Ltd  
12 Upper Grosvenor Street  
London, United Kingdom W1K 2ND

**(c) Citizenship**

Odey Asset Management Group Ltd – England  
Odey Asset Management LLP – England  
Odey Holdings AG – Switzerland  
Crispin Odey – England

**(d) Title of Class of Securities**

Common Stock, par value \$0.0001 per share

**(e) CUSIP Number**

83417M104

**Item 3 If this statement is filed pursuant to §§240.13d-1(b) or 240.13d-2(b) or (c), check whether the person filing is a:**

- (a)  Broker or dealer registered under section 15 of the Act (15 U.S.C. 78o);  
(b)  Bank as defined in section 3(a)(6) of the Act (15 U.S.C. 78c);  
(c)  Insurance Company as defined in Section 3(a)(19) of the Act;  
(d)  Investment company registered under section 8 of the Investment Company Act of 1940 (15 U.S.C 80a-8);  
(e)  An investment adviser in accordance with §240.13d-1(b)(1)(ii)(E);
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- (f)  An employee benefit plan or endowment fund in accordance with §240.13d-1(b)(1)(ii)(F);
- (g)  A parent holding company or control person in accordance with § 240.13d-1(b)(1)(ii)(G);
- (h)  A savings associations as defined in Section 3(b) of the Federal Deposit Insurance Act (12 U.S.C. 1813);
- (i)  A church plan that is excluded from the definition of an investment company under section 3(c)(14) of the Investment Company Act of 1940 (15 U.S.C. 80a-3);
- (j)  A non-U.S. institution in accordance with §240.13d-1(b)(1)(ii)(J);
- (k)  Group, in accordance with §240.13d-1(b)(1)(ii)(K).

If filing as a non-U.S. institution in accordance with § 240.13d-1(b)(1)(ii)(J), please specify the type of institution:

#### **Item 4 Ownership**

Shares reported herein for Odey Asset Management LLP (“OAM LLP”) represent shares held for the benefit of investment advisory clients of OAM LLP. Odey Asset Management Group Ltd (“OAM Ltd”) is the managing member of OAM LLP, Odey Holdings AG (“Odey Holdings”) is the sole stockholder of OAM Ltd, and Mr. Odey is the sole stockholder of Odey Holdings. For all purposes other than the filing of this Schedule 13G, each of the Reporting Persons disclaims beneficial ownership of the shares reported herein except to the extent of its or his pecuniary interest therein.

#### **Item 4(a) Amount Beneficially Owned**

Odey Asset Management Group Ltd – 3,301,780 shares  
Odey Asset Management LLP – 3,301,780 shares  
Odey Holdings AG – 3,301,780 shares  
Crispin Odey – 3,301,780 shares

#### **Item 4(b) Percent of Class**

Odey Asset Management Group Ltd – 8.04%  
Odey Asset Management LLP – 8.04%  
Odey Holdings AG – 8.04%  
Crispin Odey – 8.04%

#### **Item 4(c) Number of shares as to which each such person has voting and dispositive power:**

##### **(i) sole power to vote or to direct the vote**

Odey Asset Management Group Ltd – 0 shares  
Odey Asset Management LLP – 0 shares  
Odey Holdings AG – 0 shares  
Crispin Odey – 0 shares

##### **(ii) shared power to vote or to direct the vote**

Odey Asset Management Group Ltd – 3,301,780 shares  
Odey Asset Management LLP – 3,301,780 shares  
Odey Holdings AG – 3,301,780 shares  
Crispin Odey – 3,301,780 shares

##### **(iii) sole power to dispose or to direct the disposition of**

Odey Asset Management Group Ltd – 0 shares  
Odey Asset Management LLP – 0 shares  
Odey Holdings AG – 0 shares  
Crispin Odey – 0 shares

**(iv) shared power to dispose or to direct the disposition of**

Odey Asset Management Group Ltd – 3,301,780 shares  
Odey Asset Management LLP – 3,301,780 shares  
Odey Holdings AG – 3,301,780 shares  
Crispin Odey – 3,301,780 shares

**Item 5 Ownership of Five Percent or Less of a Class**

Not applicable.

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

Dividends received from, and proceeds from the sale of, the shares reported herein, if any, are allocated by Odey Asset Management LLP to the applicable accounts of its clients and are distributed or retained in accordance with its investment advisory agreements with those clients.

**Item 7 Identification and Classification of the Subsidiary Which Acquired the Security Being Reported on By the Parent Holding Company**

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 Certification**

By signing below I certify that, to the best of my knowledge and belief, the securities referred to above were acquired and are held in the ordinary course of business and 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, other than activities solely in connection with a nomination under §240.14a-11.

**Exhibits Exhibit**

**99.1** Joint Filing Agreement by and among the Reporting Persons.

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**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.

Date: February \_\_, 2017

**ODEY ASSET MANAGEMENT GROUP LTD**

By:

\_\_\_\_\_  
Fergus B. Lee, Chief Compliance Officer

**ODEY ASSET MANAGEMENT LLP**

By:

\_\_\_\_\_  
Fergus B. Lee, Chief Compliance Officer

**ODEY HOLDINGS AG**

By:

\_\_\_\_\_  
Fergus B. Lee, Chief Compliance Officer

**ROBIN CRISPIN WILLIAM ODEY**

\_\_\_\_\_  
Fergus B. Lee, as attorney-in-fact for Robin Crispin William Odey\*

\*The Power of Attorney executed by Mr. Odey authorizing the signatory to sign and file this Schedule 13G on Mr. Odey's behalf, filed as Exhibit 99.2 to the Schedule 13G filed with the Securities and Exchange Commission on May 8, 2013 by Mr. Odey and other reporting persons with respect to the common stock of Quanex Building Products Corporation, is incorporated herein by reference.

**JOINT FILING AGREEMENT**

This Joint Filing Agreement, dated as of February \_\_, 2017, is by and among Odey Asset Management Group Ltd, Odey Asset Management LLP, Odey Holdings AG and Robin Crispin William Odey (collectively, the "Filers").

Each of the Filers may be required to file with the United States Securities and Exchange Commission a statement on Schedule 13G and/or 13D with respect to shares of Common Stock, par value \$0.0001 per share, of SolarEdge Technologies, Inc. beneficially owned by them from time to time.

Pursuant to and in accordance with Rule 13(d)(1)(k) promulgated under the Securities Exchange Act of 1934, as amended, the Filers hereby agree to file a single statement on Schedule 13G and/or 13D (and any amendments thereto) on behalf of each of such parties, and hereby further agree to file this Joint Filing Agreement as an exhibit to such statement, as required by such rule.

This Joint Filing Agreement may be terminated by any of the Filers upon one week's prior written notice (or such lesser period of notice as the Filers may mutually agree) to the other party.

Executed and delivered as of the date first above written.

**ODEY ASSET MANAGEMENT GROUP LTD**

By: \_\_\_\_\_  
Fergus B. Lee, Chief Compliance Officer

**ODEY ASSET MANAGEMENT LLP**

By: \_\_\_\_\_  
Fergus B. Lee, Chief Compliance Officer

**ODEY HOLDINGS AG**

By: \_\_\_\_\_  
Fergus B. Lee, Chief Compliance Officer

**ROBIN CRISPIN WILLIAM ODEY**

\_\_\_\_\_  
Fergus B. Lee, as attorney-in-fact for Robin Crispin William Odey\*

\*The Power of Attorney executed by Mr. Odey authorizing the signatory to sign and file this Schedule 13G on Mr. Odey's behalf, filed as Exhibit 99.2 to the Schedule 13G filed with the Securities and Exchange Commission on May 8, 2013 by Mr. Odey and other reporting persons with respect to the common stock of Quanex Building Products Corporation, is incorporated herein by reference.