

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

FORM S-3

REGISTRATION STATEMENT UNDER THE SECURITIES ACT OF 1933

SOLAREEDGE TECHNOLOGIES, INC.

(Exact name of registrant as specified in its charter)

The additional registrants listed on Schedule A hereto
(Exact name of registrant as specified in its charter)

Delaware
(State or other jurisdiction of
incorporation or organization)

20-5338862
(I.R.S. Employer
Identification Number)

1 HaMada Street
Herziliya Pituach 4673335, Israel
972 (9) 957-6620

(Address, including zip code, and telephone number, including area code, of registrant's principal executive offices)

Guy Sella
Chief Executive Officer and Chairman of the Board
SolarEdge Technologies, Inc.
47505 Seabridge Drive
Fremont, CA 94538
(877) 360-5292

(Name, address, including zip code, and telephone number, including area code, of agent for service)

With a copy to:
John T. Gaffney
Gibson, Dunn & Crutcher LLP
200 Park Avenue
New York, New York 10166-0193
(212) 351-4000

Approximate date of commencement of proposed sale to the public: From time to time after the effective date of this registration statement.

If the only securities being registered on this Form are being offered pursuant to dividend or interest reinvestment plans, please check the following box:

If any of the securities being registered on this Form are to be offered on a delayed or continuous basis pursuant to Rule 415 under the Securities Act of 1933, other than securities offered only in connection with dividend or interest reinvestment plans, check the following box:

If this Form is filed to register additional securities for an offering pursuant to Rule 462(b) under the Securities Act, please check the following box and list the Securities Act registration statement number of the earlier effective registration statement for the same offering:

If this Form is a post-effective amendment filed pursuant to Rule 462(c) under the Securities Act, check the following box and list the Securities Act registration statement number of the earlier effective registration statement for the same offering:

If this Form is a registration statement pursuant to General Instruction I.D. or a post-effective amendment thereto that shall become effective upon filing with the Commission pursuant to Rule 462(e) under the Securities Act, check the following box:

If this Form is a post-effective amendment to a registration statement filed pursuant to General Instruction I.D. filed to register additional securities or additional classes of securities pursuant to Rule 413(b) under the Securities Act, check the following box:

Indicate by check mark whether the registrant is a large accelerated filer, an accelerated filer, a non-accelerated filer, or a smaller reporting company. See the definitions of "large accelerated filer," "accelerated filer," "smaller reporting company" and "emerging growth company" in Rule 12b-2 of the Exchange Act.

Large accelerated filer

Accelerated filer

Non-accelerated filer

Smaller reporting company

(Do not check if a smaller reporting company)

Emerging growth company

If an emerging growth company, indicate by check mark if the registrant has elected not to use the extended transition period for complying with any new or revised financial accounting standards provided pursuant to Section 7(a)(2)(B) of Securities Act.

CALCULATION OF REGISTRATION FEE

Title of each class of securities to be registered	Amount to be registered Proposed maximum offering price per unit Proposed maximum aggregate offering price Amount of registration fee
	Common Stock
TOTAL	(1)

(1) An indeterminate aggregate offering price or number of securities of each identified class is being registered as may from time to time be offered at indeterminate prices. Separate consideration may or may not be received for securities that are issuable on exercise, conversion or exchange of other securities. The proposed maximum offering price will be determined from time to time in connection with an issuance of securities hereunder. In accordance with Rules 456(b) and 457(r) of the Securities Act of 1933, as amended, the registrant is deferring payment of the registration fee.

PROSPECTUS

SOLAREGE TECHNOLOGIES, INC.

COMMON STOCK

This prospectus provides a general description of the common stock that we may offer from time to time. Each time any securities are offered pursuant to this prospectus, we will provide a prospectus supplement and attach it to this prospectus. The prospectus supplement will contain more specific information about the offering. The prospectus supplement may also add, update or change information contained in this prospectus. This prospectus may not be used to offer or sell securities without a prospectus supplement describing the method and terms of the offering. You should carefully read this prospectus and any accompanying prospectus supplement, together with the documents we incorporate by reference, before you invest in our securities.

Our common stock is listed on the NASDAQ Global Select Market under the symbol "SEDG."

Investing in our securities involves risks. You should read carefully and consider the risks referenced under "Risk Factors" beginning on page 7 of this prospectus, as well as the other information contained in or incorporated by reference in this prospectus or in any accompanying prospectus supplement before making a decision to invest in our securities.

Neither the Securities and Exchange Commission nor any state securities commission has approved or disapproved of these securities or passed upon the accuracy or adequacy of this prospectus. Any representation to the contrary is a criminal offense.

We may sell these securities on a continuous or delayed basis directly, through agents, dealers or underwriters as designated from time to time, or through a combination of these methods. We reserve the sole right to accept, and together with any agents, dealers and underwriters, reserve the right to reject, in whole or in part, any proposed purchase of securities. If any agents, dealers or underwriters are involved in the sale of any securities, the applicable prospectus supplement will set forth any applicable commissions or discounts. Our net proceeds from the sale of securities also will be set forth in the applicable prospectus supplement.

Prospectus dated February 12, 2019

TABLE OF CONTENTS

	<u>Page</u>
<u>ABOUT THIS PROSPECTUS</u>	1
<u>WHERE YOU CAN FIND MORE INFORMATION</u>	1
<u>INCORPORATION OF CERTAIN INFORMATION BY REFERENCE</u>	2
<u>CAUTIONARY STATEMENT CONCERNING FORWARD-LOOKING STATEMENTS</u>	3
<u>THE COMPANY</u>	5
<u>RISK FACTORS</u>	6
<u>USE OF PROCEEDS</u>	6
<u>DESCRIPTION OF CAPITAL STOCK</u>	7
<u>PLAN OF DISTRIBUTION</u>	11
<u>LEGAL MATTERS</u>	13
<u>EXPERTS</u>	13

ABOUT THIS PROSPECTUS

This prospectus is part of a registration statement we filed with the Securities and Exchange Commission (the “SEC” or the “Commission”) using a “shelf” registration process. We may sell any combination of the securities described in this prospectus from time to time.

This prospectus provides a general description of the securities that may be offered. Each time we sell securities, we will provide a supplement to this prospectus that contains specific information about the offering and the specific terms of the securities offered. That prospectus supplement may include a discussion of any risk factors or other special considerations applicable to those securities. In each prospectus supplement we will include the following information:

- the amount of securities that we propose to sell;
- the initial public offering price of the securities;
- the names of any underwriters or agents through or to which we will sell the securities;
- any compensation of those underwriters or agents; and
- information about any securities exchanges or automated quotation systems on which the securities will be listed or traded.

In addition, the prospectus supplement also may add, update or change the information contained in this prospectus. If there is any inconsistency between the information in this prospectus and any prospectus supplement, you should rely on the information in the prospectus supplement. You should read both this prospectus and any prospectus supplement together with the additional information described under the headings “Where You Can Find More Information” and “Incorporation of Certain Information by Reference.”

No dealer, salesperson or other person is authorized to give any information or to represent anything not contained in or incorporated by reference into this prospectus or any accompanying prospectus supplement. You must not rely on any unauthorized information or representations. This prospectus or any accompanying prospectus supplement does not offer to sell or ask for offers to buy any securities other than those to which it relates and it does not constitute an offer to sell or ask for offers to buy any of the securities in any jurisdiction where it is unlawful, where the person making the offer is not qualified to do so, or to any person who cannot legally be offered the securities. The information contained in this prospectus, any accompanying prospectus supplement or any document incorporated by reference in each of them is current only as of its date. Our business, financial condition, results of operations and prospects may have changed since those dates.

In this prospectus, except as otherwise indicated or as the context otherwise requires, the words “SolarEdge Technologies, Inc.” refer to SolarEdge Technologies, Inc., Inc. on an unconsolidated basis and the words “SolarEdge,” “we,” “us,” “our,” the “Company” and “ours” refer to SolarEdge Technologies, Inc. and its consolidated subsidiaries.

WHERE YOU CAN FIND MORE INFORMATION

We file annual, quarterly and special reports, proxy statements and other information with the SEC, and we have filed with the SEC a registration statement on Form S-3 under the Securities Act of 1933, as amended (the “Securities Act”) with respect to the securities offered by this prospectus. This prospectus, which forms part of the registration statement, does not contain all of the information included in the registration statement, including its exhibits and schedules. For further information about us and the securities described in this prospectus, you should refer to the registration statement, its exhibits and schedules and our reports, proxies, information statements and other information filed with the SEC. Our filings are available to the public on the Internet, through a database maintained by the SEC at <http://www.sec.gov>. Our filings are also available, free of charge, on our website at <https://investors.solaredge.com>. We have included our website address for the information of prospective investors and do not intend it to be an active link to our website. Information contained on our website does not constitute a part of this prospectus or any applicable prospectus supplement (or any document incorporated by reference herein or therein).

INCORPORATION OF CERTAIN INFORMATION BY REFERENCE

The SEC allows us to “incorporate by reference” information into this prospectus. This means that we can disclose important information about us and our financial condition to you by referring you to another document filed separately with the SEC. The information incorporated by reference is considered to be a part of this prospectus, except any information that is superseded by information that is included in a document subsequently filed with the SEC.

This prospectus incorporates by reference the documents listed below that we have previously filed with the SEC and any future filings we make with the SEC under Sections 13(a), 13(c), 14 or 15(d) of the Securities Exchange Act of 1934, as amended (the “Exchange Act”), from the date of this prospectus until the termination of an offering of securities, except that we are not incorporating by reference any information furnished (and not filed) with the SEC, including our Compensation Committee report and performance graph or any information furnished pursuant to Items 2.02 or 7.01 of Form 8-K or related exhibits furnished pursuant to Item 9.01 of Form 8-K:

- our Annual Report on Form 10-K for the year ended December 31, 2017 (including the portions of our Proxy Statement for our 2018 annual meeting of stockholders incorporated by reference therein);
- our quarterly Reports on Form 10-Q for the Quarters ended March 31, 2018, June 30, 2018, and September 30, 2018;
- our Current Reports on Form 8-K filed on May 24, 2018, September 25, 2018, October 17, 2018, January 2, 2019, January 7, 2019 and January 25, 2019; and
- the description of our common stock contained in our Registration Statement on Form 8-A filed on March 24, 2015 filed pursuant to Section 12(b) of the Exchange Act, including any amendment or report updating such description.

Any statement contained in a document all or a portion of which is incorporated or deemed to be incorporated by reference herein will be deemed to be modified or superseded to the extent that a statement contained herein or in any other subsequently filed document which also is or is deemed to be incorporated by reference herein modifies or supersedes such statement. Any statement so modified will not be deemed to constitute a part hereof, except as so modified, and any statement so superseded will not be deemed to constitute a part hereof.

A copy of any document incorporated by reference in this prospectus may be obtained at no cost by writing or telephoning us at the following address and telephone number:

1 Hamada Street
Herziliya Pituach, Israel, 4673335.
Attention: Corporate Secretary
Phone: (877) 360-5292

We maintain a website at www.SolarEdge.com. Information about us, including our reports filed with the SEC, is available through that site. Such reports are accessible at no charge through our website and are made available as soon as reasonably practicable after such material is filed with or furnished to the SEC. Our website and the information contained on that website, or connected to that website, are not incorporated by reference in this prospectus.

You may read and copy any materials we file with the SEC at the SEC’s website mentioned under the heading “Where You Can Find More Information.” The information on the SEC’s website is not incorporated by reference in this prospectus.

CAUTIONARY STATEMENT CONCERNING FORWARD-LOOKING STATEMENTS

This prospectus, any accompanying prospectus supplement, information incorporated by reference into each of them, and any related free-writing prospectus contain numerous forward-looking statements within the meaning of Section 27A of the Securities Act and Section 21E of the Exchange Act. Forward-looking statements include information concerning our possible or assumed future results of operations, business strategies, technology developments, new product developments, financing and investment plans, dividend policy, competitive position, industry and regulatory environment, potential growth opportunities, and the effects of competition. Forward-looking statements include statements that are not historical facts and can be identified by terms such as “anticipate,” “believe,” “could,” “seek,” “estimate,” “expect,” “intend,” “may,” “plan,” “potential,” “predict,” “project,” “should,” “will,” “would,” or similar expressions and the negatives of those terms.

Forward-looking statements involve known and unknown risks, uncertainties and other factors that may cause our actual results, performance or achievements to be materially different from any future results, performance or achievements expressed or implied by the forward-looking statements. Given these uncertainties, you should not place undue reliance on forward-looking statements. Also, forward-looking statements represent our management’s beliefs and assumptions only as of the date of this filing. Important factors that could cause actual results to differ materially from our expectations include:

- our limited history of profitability, which may not continue in the future;
- our limited operating history, which makes it difficult to predict future results;
- future demand for solar energy solutions;
- changes to net metering policies or the reduction, elimination or expiration of government subsidies and economic incentives for on-grid solar energy applications;
- changes in the U.S. trade environment, including the recent imposition of import tariffs;
- federal, state, and local regulations governing the electric utility industry with respect to solar energy;
- the retail price of electricity derived from the utility grid or alternative energy sources;
- interest rates and supply of capital in the global financial markets in general and in the solar market specifically;
- competition, including introductions of power optimizer, inverter and solar photovoltaic (“PV”) system monitoring products by our competitors;
- developments in alternative technologies or improvements in distributed solar energy generation;
- historic cyclicalities of the solar industry and periodic downturns;
- defects or performance problems in our products;
- our ability to forecast demand for our products accurately and to match production with demand;
- our dependence on ocean transportation to deliver our products in a cost-effective manner;
- our dependence upon a small number of outside contract manufacturers;
- capacity constraints, delivery schedules, manufacturing yields, and costs of our contract manufacturers and availability of components;
- delays, disruptions, and quality control problems in manufacturing;
- shortages, delays, price changes, or cessation of operations or production affecting our suppliers of key components;
- business practices and regulatory compliance of our raw material suppliers;
- performance of distributors and large installers in selling our products;
- our customers’ financial stability, creditworthiness, and debt leverage ratio;
- our ability to retain key personnel and attract additional qualified personnel;
- our ability to effectively design, launch, market, and sell new generations of our products and services;

- our ability to maintain our brand and to protect and defend our intellectual property;
- our ability to retain, and events affecting, our major customers;
- our ability to manage effectively the growth of our organization and expansion into new markets;
- fluctuations in global currency exchange rates;
- unrest, terrorism, or armed conflict in Israel;
- general economic conditions in our domestic and international markets; consolidation in the solar industry among our customers and distributors; and
- other factors set forth under “Item 1A. Risk Factors” in our Annual Report on Form 10-K for the year ended December 31, 2017.

Except as required by law, we assume no obligation to update these forward-looking statements, or to update the reasons actual results could differ materially from those anticipated in these forward-looking statements, even if new information becomes available in the future.

THE COMPANY

General

We have invented an intelligent inverter solution that has changed the way power is harvested and managed in a solar PV system. Our direct current (“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 and providing comprehensive and advanced safety features. Our system consists of our power optimizers, inverters and 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. Since we began commercial shipments in 2010, we have shipped approximately 6.7 gigawatts (“GW”) of our DC optimized inverter systems and our products have been installed in solar PV systems in 121 countries.

Historically, the solar PV industry used traditional string and central inverter architectures to harvest PV solar power. However, traditional inverter architectures result in energy losses as well as systemic challenges in design flexibility, safety, and monitoring. More recently, microinverter technology was introduced in an attempt to resolve these challenges, but this technology has certain inherent limitations. We believe that our DC optimized inverter system, consisting of an inverter and distributed power optimizers, best addresses all of these challenges.

Our system allows for superior power harvesting and module management relative to traditional inverter systems by deploying power optimizers at each PV module while maintaining a competitive system cost by keeping the AC inversion and grid interaction centralized using a simplified DC-AC inverter. The entire system is monitored through our cloud-based monitoring platform that enables reduced system operation and maintenance (“O&M”) costs. Our system enables each PV module to operate at its own maximum power point (“MPP”), rather than a system-wide average, enabling dynamic response to real-world conditions, such as atmospheric conditions, PV module aging, soiling and shading and offering improved energy yield relative to traditional inverter systems. In addition to higher efficiency, our system’s installed cost per watt is competitive with traditional inverter systems of leading manufacturers and generally lower than comparable microinverter systems of leading manufacturers. Furthermore, our architecture allows for complex rooftop system designs and enhanced safety and reliability. Our technology and system architecture are protected by 121 awarded patents and 161 patent applications filed worldwide as of December 31, 2017.

We primarily sell our products indirectly to thousands of solar installers through large distributors and electrical equipment wholesalers and directly to large solar installers and engineering, procurement, and construction firms (“EPCs”). Our customers include leading providers of solar PV systems to residential and commercial end users, key solar distributors and electrical equipment wholesalers as well as several PV module manufacturers that offer PV modules with our power optimizer physically embedded into their modules.

We were founded in 2006 and began commercial shipments in 2010. As of December 31, 2017, we have shipped approximately 22.7 million power optimizers and 950,000 inverters. More than 560,000 installations, many of which may include multiple inverters, are currently connected to, and monitored through, our cloud-based monitoring platform.

Corporate Information

We were incorporated in Delaware in 2006. Our principal executive offices are located at 1 HaMada Street, Herzliya Pituach 4673335, Israel and our telephone number at this address is 972 (9) 957-6620. Our website is www.solaredge.com.

RISK FACTORS

Investing in our securities involves risks. You should carefully consider the risks, uncertainties and other factors described in our most recent Annual Report on Form 10-K, as supplemented and updated by subsequent Quarterly Reports on Form 10-Q and Current Reports on Form 8-K that we have filed or will file with the SEC, and in other documents which are incorporated by reference into this prospectus, as well as the risk factors and other information contained in or incorporated by reference into any accompanying prospectus supplement before investing in any of our securities. Our financial condition, results of operations or cash flows could be materially adversely affected by any of these risks. The risks and uncertainties described in the documents incorporated by reference herein are not the only risks and uncertainties that you may face.

For more information about our SEC filings, please see “Where You Can Find More Information” and “Incorporation of Certain Information by Reference.”

USE OF PROCEEDS

Unless otherwise specified in a prospectus supplement accompanying this prospectus, the net proceeds from the sale by us of the securities to which this prospectus relates will be used for general corporate purposes, which may include repayment of debt, acquisitions, additions to working capital, capital expenditures and investments in our subsidiaries. Net proceeds may be temporarily invested prior to use. When we offer and sell the securities to which this prospectus relates, the prospectus supplement related to such offering will set forth our intended use of the proceeds, if any, received from the sale of such securities.

DESCRIPTION OF CAPITAL STOCK

Common Stock

Voting Rights. The holders of our common stock are entitled to one vote per share on all matters submitted to a vote of stockholders; provided, however, that, except as otherwise required by law, holders of common stock, as such, shall not be entitled to vote on any amendment to our amended and Certificate of Incorporation that relates solely to the terms of one or more outstanding series of preferred stock if the holders of such affected series are entitled, either separately or together with the holders of one or more other such series, to vote thereon pursuant to our Certificate of Incorporation. Holders of our common stock do not have cumulative voting rights in the election of directors. Accordingly, the holders of a majority of the combined voting power of our common stock could, if they so choose, elect all the directors.

Dividend Rights. Holders common stock are entitled to receive dividends if, as and when declared by our board of directors, out of our legally available assets, in cash, property, shares of our common stock or other securities, after payments of dividends required to be paid on outstanding preferred stock, if any.

Distributions in Connection with Mergers or Other Business Combinations. Upon a merger, consolidation or substantially similar transaction, holders of each class of common stock are entitled to receive equal per share payments or distributions.

Liquidation Rights. Upon our liquidation, dissolution or winding up, any business combination or a sale or disposition of all or substantially all of our assets, the assets legally available for distribution to our stockholders will be distributable ratably among the holders of the common stock, subject to prior satisfaction of all outstanding debts and other liabilities and the payment of liquidation preferences, if any, on any outstanding preferred stock.

Other Matters. Our Certificate of Incorporation does not entitle holders of our common stock to preemptive or conversion rights or other subscription rights. There are no redemption or sinking fund provisions applicable to our common stock. The common stock may be subdivided or combined in any manner unless the other class is subdivided or combined in the same proportion. All outstanding shares of our common stock are fully paid and non-assessable.

Authorized but Unissued Preferred Stock

Delaware law does not require stockholder approval for any issuance of authorized shares. However, the listing requirements of the NASDAQ Global Select Market, which apply as long as our common stock is listed on the NASDAQ Global Select Market, require stockholder approval of certain issuances equal to or exceeding 20% of the combined voting power of our common stock. These additional shares may be used for a variety of corporate purposes, including future public offerings to raise additional capital, acquisitions and employee benefit plans.

Unless required by law or by any stock exchange on which our common stock may be listed, the authorized shares of preferred stock will be available for issuance without further action by our stockholders. Our Certificate of Incorporation authorizes our board of directors to establish, from time to time, the number of shares to be included in each series of preferred stock, and to fix the designation, powers, privileges, preferences, and relative participating, optional or other rights, if any, of the shares of each series of preferred stock, and any of its qualifications, limitations or restrictions. Our board of directors also is able to increase or decrease the number of shares of any series of preferred stock, but not below the number of shares of that series of preferred stock then outstanding, without any further vote or action by the stockholders, without any vote or action by stockholders.

The existence of unissued and unreserved common stock or preferred stock may enable our board of directors to issue shares to persons friendly to current management, which could render more difficult or discourage an attempt to obtain control of the Company by means of a merger, tender offer, proxy contest or otherwise, and could thereby protect the continuity of our management and possibly deprive stockholders of opportunities to sell their shares of common stock at prices higher than prevailing market prices.

Anti-Takeover Effects of Delaware Law, Our Certificate of Incorporation and Our By-laws

Certain provisions of Delaware law, our Certificate of Incorporation and our By-laws could make the acquisition of the Company more difficult and could delay, defer or prevent a tender offer or other takeover attempt that a stockholder might consider to be in its best interest, including takeover attempts that might result in the payment of a premium to stockholders over the market price for their shares. These provisions also may promote the continuity of our management by making it more difficult for a person to remove or change the incumbent members of our board of directors.

Authorized but Unissued Shares; Undesignated Preferred Stock. The authorized but unissued shares of our common stock are available for future issuance without stockholder approval except as required by law or by any stock exchange on which our common stock may be listed. These additional shares may be utilized for a variety of corporate purposes, including future public offerings to raise additional capital, acquisitions and employee benefit plans. In addition, our board of directors may authorize, without stockholder approval, the issuance of undesignated preferred stock with voting rights or other rights or preferences designated from time to time by our board of directors. The existence of authorized but unissued shares of common stock or preferred stock may enable our board of directors to render more difficult or to discourage an attempt to obtain control of us by means of a merger, tender offer, proxy contest or otherwise.

Board Classification. Our Certificate of Incorporation provides that our board of directors is divided into three classes of directors, with the classes to be as nearly equal in number as possible, and with the directors serving three-year terms. As a result, approximately one-third of our board of directors is elected each year. The classification of directors has the effect of making it more difficult for stockholders to change the composition of our board of directors. Our Certificate of Incorporation and By-laws provides that, subject to any rights of holders of preferred stock to elect additional directors under specified circumstances, the number of directors may be fixed from time to time exclusively pursuant to a resolution adopted by our board of directors.

No Cumulative Voting. Our Certificate of Incorporation provides that stockholders are not permitted to cumulate votes in the election of directors.

Special Meetings of Stockholders. Our By-laws provide that special meetings of our stockholders may be called only by our Chairman, our Chief Executive Officer, our board of directors or our Secretary at the request of holders of not less than a majority of the combined voting power of our common stock.

Stockholder Action by Written Consent. Pursuant to Section 228 of the DGCL, any action required to be taken at any annual or special meeting of the stockholders may be taken without a meeting, without prior notice and without a vote if a consent or consents in writing, setting forth the action so taken, is signed by the holders of outstanding stock having not less than the minimum number of votes that would be necessary to authorize or take such action at a meeting at which all shares of our stock entitled to vote thereon were present and voted, unless our certificate of incorporation provides otherwise. Our Certificate of Incorporation precludes stockholder action by written consent.

Advance Notice Requirements for Stockholder Proposals and Nomination of Directors. Our By-laws require stockholders seeking to bring business before an annual meeting of stockholders, or to nominate individuals for election as directors at an annual or special meeting of stockholders, to provide timely notice in writing. To be timely, a stockholder's notice needs to be sent to and received at our principal executive offices no later than the close of business on the 90th day, nor earlier than the close of business on the 120th day, prior to the anniversary of the immediately preceding annual meeting of stockholders. However, in the event that the annual meeting is called for a date that is not within 30 days before or 70 days after the anniversary of the immediately preceding annual meeting of stockholders, such notice will be timely only if received no earlier than the close of business on the 120th day prior to the annual meeting and no later than the close of business on the later of the 90th day prior to such annual meeting and the tenth day following the date on which a public announcement of the date of the annual meeting was made by us. Our By-laws also specify requirements as to the form and content of a stockholder's notice. These provisions may preclude our stockholders from bringing matters before our annual meeting of stockholders or from making nominations for directors at our meetings of stockholders. These provisions may also discourage or deter a potential acquiror from conducting a solicitation of proxies to elect the potential acquiror's own slate of directors or otherwise attempting to obtain control of the Company.

Removal of Directors; Vacancies. Under the DGCL, unless otherwise provided in our Certificate of Incorporation, directors serving on a classified board may be removed by the stockholders only for cause. Our Certificate of Incorporation provides that directors may only be removed for cause, and only by the affirmative vote of holders of at least 66²/₃% in voting power of all the then-outstanding shares of common stock of the Company entitled to vote thereon, voting together as a single class. In addition, our Certificate of Incorporation also provides that any newly created directorship on our board of directors that result from an increase in the number of directors and any vacancy occurring in our board of directors may only be filled by a majority of the directors then in office, although less than a quorum, or by a sole remaining director (and not by the stockholders).

Supermajority Provisions. Our Certificate of Incorporation and By-laws provide that our board of directors is expressly authorized to alter, amend, rescind or repeal, in whole or in part, our By-laws without a stockholder vote in any matter not inconsistent with Delaware law and our Certificate of Incorporation. Any amendment, alteration, rescission or repeal of our By-laws by our stockholders requires the affirmative vote of the holders of at least 66²/₃% in voting power of all the then-outstanding shares of stock of our Company entitled to vote thereon, voting together as a single class.

The DGCL provides generally that the affirmative vote of a majority of the outstanding shares entitled to vote thereon, voting together as a single class, is required to amend a corporation's certificate of incorporation, unless the certificate of incorporation requires a greater percentage. Our Certificate of Incorporation provides that the following provisions in our Certificate of Incorporation may be amended, altered, repealed or rescinded only by the affirmative vote of the holders of at least 66²/₃% in voting power of all the then-outstanding shares of stock of our Company entitled to vote thereon, voting together as a single class:

- the provision requiring a 66²/₃% supermajority vote for stockholders to amend our By-laws;
- the provisions providing for a classified board of directors (the election and term of our directors);
- the provisions regarding removal of directors;
- the provisions regarding stockholder action by written consent;
- the provisions regarding calling special meetings of stockholders;
- the provisions regarding advanced notification of stockholder nominations and proposals;
- the provisions regarding filling vacancies on our board of directors and newly created directorships;
- the provisions eliminating monetary damages for breaches of fiduciary duty by a director and governing forum selection; and
- the amendment provision requiring that the above provisions be amended only with a 66²/₃% supermajority vote.

Section 203 of the Delaware General Corporation Law. We are subject to Section 203 of the DGCL, which provides that, subject to certain stated exceptions, a corporation may not engage in a business combination with any "interested stockholder" (as defined below) for a period of three years following the time that such stockholder became an interested stockholder, unless:

- prior to such time the board of directors of the corporation approved either the business combination or transaction which resulted in the stockholder becoming an interested stockholder;
- upon consummation of the transaction which resulted in the stockholder becoming an interested stockholder, the interested stockholder owned at least 85% of the voting stock of the corporation outstanding at the time the transaction commenced, excluding shares owned by persons who are directors and also officers and employee stock plans in which participants do not have the right to determine confidentially whether shares held subject to the plan will be tendered in a tender or exchange offer;
- at or subsequent to such time, the business combination is approved by the board of directors and authorized at an annual or special meeting of stockholders, and not by written consent; or
- by the affirmative vote of 66²/3% of the outstanding voting stock which is not owned by the interested stockholder.

An "interested stockholder" is any person (other than the corporation and any direct or indirect majority-owned subsidiary) who owns 15% or more of the outstanding voting stock of the corporation or is an affiliate or associate of the corporation and was the owner of 15% or more of the outstanding voting stock of the corporation at any time within the three-year period immediately prior to the date of determination, and the affiliates and associates of such person.

PLAN OF DISTRIBUTION

We may sell the offered securities through agents, through underwriters or dealers, directly to one or more purchasers or through a combination of any of these methods of sale. The prospectus supplement will include the following information:

- the names of any underwriters, dealers or agents;
- the purchase price of securities from us and, if the purchase price is not payable in U.S. dollars, the currency or composite currency in which the purchase price is payable;
- the net proceeds to us from the sale of securities;
- any delayed delivery arrangements;
- any underwriting discounts, commissions and other items constituting underwriters' compensation;
- any discounts or concessions allowed or reallocated or paid to dealers; and
- any commissions paid to agents.

Sale Through Underwriters or Dealers

If we use underwriters in the sale, the underwriters will acquire the securities for their own account. The underwriters may resell the securities from time to time in one or more transactions, including negotiated transactions, at a fixed public offering price or at varying prices determined at the time of sale. Underwriters may offer securities to the public either through underwriting syndicates represented by one or more managing underwriters or directly by one or more firms acting as underwriters. Unless we inform you otherwise in the prospectus supplement, the obligations of the underwriters to purchase the securities will be subject to certain conditions, and the underwriters will be obligated to purchase all the offered securities if they purchase any of them. The underwriters may change from time to time any initial public offering price and any discounts or concessions allowed or reallocated or paid to dealers. If we utilize an underwriter or underwriters in the sale, we will execute an underwriting agreement with such underwriters at the time of sale to them. Any underwriters will use the prospectus supplement to make sales of the securities in respect of which this prospectus is delivered to the public.

We may make sales of our common stock to or through one or more underwriters, dealers or agents in at-the-market offerings and will do so pursuant to the terms of a distribution agreement between the underwriters, dealers or agents and us. If we engage in at-the-market sales pursuant to a distribution agreement, we will issue and sell shares of our common stock to or through one or more underwriters, dealers or agents, which may act on an agency basis or on a principal basis. During the term of any such distribution agreement, we may sell shares on a daily basis in exchange transactions or otherwise as we agree with the underwriters, dealers or agent. The distribution agreement may provide that any shares of our common stock sold will be sold at prices related to the then prevailing market prices for our securities. Therefore, exact figures regarding net proceeds to us or commissions to be paid are impossible to determine and will be described in a prospectus supplement. Pursuant to the terms of the distribution agreement, we also may agree to sell, and the relevant underwriters, dealers or agents may agree to solicit offers to purchase, blocks of our common stock. The terms of each such distribution agreement will be set forth in more detail in a prospectus supplement to this prospectus. To the extent that any named underwriter, dealer or agent acts as principal pursuant to the terms of a distribution agreement, or if we offer to sell shares of our common stock through another dealer acting as underwriter, then such named underwriter may engage in certain transactions that stabilize, maintain or otherwise affect the price of our common stock. We will describe any such activities in the prospectus supplement relating to the transaction. To the extent that any named dealer or agent acts as agent on a best efforts basis pursuant to the terms of a distribution agreement, such dealer or agent will not engage in any such stabilization transactions.

In connection with any particular offering pursuant to this shelf registration statement, an underwriter may engage in stabilizing transactions, over-allotment transactions, syndicate covering transactions and penalty bids.

Stabilizing transactions permit bids to purchase the underlying security so long as the stabilizing bids do not exceed a specified maximum price.

Over-allotment involves sales by an underwriter of shares in excess of the number of shares an underwriter is obligated to purchase, which creates a syndicate short position. The short position may be either a covered short position or a naked short position. In a covered short position, the number of shares over-allotted by an underwriter is not greater than the number of shares that it may purchase in the over-allotment option. In a naked short position, the number of shares involved is greater than the number of shares in the over-allotment option. An underwriter may close out any short position by either exercising its over-allotment option and/or purchasing shares in the open market.

Syndicate covering transactions involve purchases of the common shares in the open market after the distribution has been completed in order to cover syndicate short positions. In determining the source of shares to close out the short position, an underwriter will consider, among other things, the price of shares available for purchase in the open market as compared to the price at which they may purchase shares through the over-allotment option. If an underwriter sells more shares than could be covered by the over-allotment option, a naked short position, the position can only be closed out by buying shares in the open market. A naked short position is more likely to be created if an underwriter is concerned that there could be downward pressure on the price of the shares in the open market after pricing that could adversely affect investors who purchase in the offering.

Penalty bids permit representatives to reclaim a selling concession from a syndicate member when the common shares originally sold by the syndicate member is purchased in a stabilizing or syndicate covering transaction to cover syndicate short positions.

These stabilizing transactions, syndicate covering transactions and penalty bids may have the effect of raising or maintaining the market price of our common shares or preventing or retarding a decline in the market price of the common shares. As a result, the price of our common shares may be higher than the price that might otherwise exist in the open market. These transactions may be effected on the NASDAQ Global Select Market or otherwise and, if commenced, may be discontinued at any time.

If we use dealers in the sale of securities, we will sell the securities to the dealers as principals. They may then resell those securities to the public at varying prices determined by the dealers at the time of resale. We will include in the prospectus supplement the names of the dealers and the terms of the transaction.

Direct Sales and Sales Through Agents

We may sell the securities directly, without the involvement of underwriters or agents. We also may sell the securities through agents we designate from time to time, who may be deemed to be underwriters as that term is defined in the Securities Act. In the prospectus supplement, we will name any agent involved in the offer or sale of the securities, and we will describe any commissions payable by us to the agent. Unless we inform you otherwise in the prospectus supplement, any agent will agree to use its reasonable best efforts to solicit purchases for the period of its appointment.

We may sell the securities directly to institutional investors or others who may be deemed to be underwriters within the meaning of the Securities Act with respect to any sale of those securities. We will describe the terms of any such sales in the prospectus supplement.

Delayed Delivery Contracts

If we so indicate in the prospectus supplement, we may authorize agents, underwriters or dealers to solicit offers from certain types of institutions to purchase securities from us at the public offering price under delayed delivery contracts. These contracts would provide for payment and delivery on a specified date in the future. The contracts would be subject only to those conditions described in the prospectus supplement. The prospectus supplement would describe the commission payable for solicitation of those contracts.

General Information

We may have agreements with the agents, dealers and underwriters to indemnify them against certain civil liabilities, including liabilities under the Securities Act, or to contribute with respect to payments that the agents, dealers or underwriters may be required to make. Agents, dealers and underwriters may be customers of, engage in transactions with or perform services for us in the ordinary course of their business.

In order to comply with the securities laws of some states, if applicable, securities must be sold in those states only through registered or licensed brokers or dealers. In addition, some states may restrict us from selling securities unless the securities have been registered or qualified for sale in the applicable state or an exemption from the registration or qualification requirement is available and is complied with.

LEGAL MATTERS

Unless otherwise specified in the prospectus supplement accompanying this prospectus, the validity of the securities being offered hereby will be passed upon for us by Gibson, Dunn & Crutcher LLP, New York, New York.

EXPERTS

The consolidated financial statements of SolarEdge Technologies, Inc. as of December 31, 2017, December 31, 2016 and June 30, 2016 and for the year ended December 31, 2017, the period from July 1, 2016 to December 31, 2016, and the two fiscal years ended June 30, 2016, and the effectiveness of internal control over financial reporting of SolarEdge Technologies, Inc. as of December 31, 2017 have been incorporated by reference herein and in the registration statement in reliance upon the reports of Kost Forer Gabbay & Kasierer, a member of Ernst & Young Global Limited, independent registered public accounting firm, incorporated by reference herein, and upon the authority of said firm as experts in accounting and auditing.



SOLAREGE TECHNOLOGIES, INC.

COMMON STOCK

PROSPECTUS

February 12, 2019

PART II
INFORMATION NOT REQUIRED IN PROSPECTUS

Item 14. Other Expenses of Issuance and Distribution.

The following table shows the costs and expenses, other than underwriting discounts and commissions, payable in connection with the sale and distribution of the securities being registered. All amounts are estimated.

Type	Amount
SEC registration fee	\$ (1)
Printing expenses	(2)
Legal fees and expenses	(2)
Accounting fees and expenses	(2)
Transfer agent fees and expenses	(2)
Rating agency fees	(2)
Trustee's and depository's fees and expenses	(2)
Miscellaneous expenses	(2)
Total	\$ (2)

- (1) Deferred pursuant to Rule 456(b) of the Securities Act and to be calculated in connection with the offering of securities under this registration statement pursuant to Rule 457(r) of the Securities Act.
- (2) These fees are calculated based on the securities offered and the number of issuances and accordingly cannot be estimated at this time.

Item 15. Indemnification of Directors and Officers.

Section 102(b)(7) of the Delaware General Corporation Law ("DGCL") permits a corporation to adopt a provision in its certificate of incorporation eliminating or limiting the personal liability of a director to the corporation and its stockholders for monetary damages for breach of fiduciary duty as a director. The DGCL currently provides that this limitation of liability does not apply to: (a) breach of the duty of loyalty, (b) acts or omissions not in good faith or which involve intentional misconduct or a knowing violation of law, (c) unlawful distributions to stockholders under Section 174 of the DGCL or (d) a transaction from which the director derived an improper personal benefit.

Article X, Section 10.1 of the registrant's Certificate of Incorporation provides that, to the fullest extent permitted by the DGCL as the same exists or may hereafter be amended, no director will be personally liable to the registrant or its stockholders for monetary damages for breach of fiduciary duty as a director.

Section 145(a) of the DGCL provides that a corporation may indemnify any person who was or is a party or is threatened to be made a party to any threatened, pending or completed action, suit or proceeding, whether civil, criminal, administrative or investigative (other than an action by or in the right of the corporation) by reason of the fact that the person is or was a director, officer, employee or agent of the corporation, or is or was serving at the request of the corporation as a director, officer, employee or agent of another corporation, partnership, joint venture, trust or other enterprise, against expenses (including attorneys' fees), judgments, fines and amounts paid in settlement actually and reasonably incurred by the person in connection with such action, suit or proceeding if the person acted in good faith and in a manner the person reasonably believed to be in or not opposed to the best interests of the corporation, and, with respect to any criminal action or proceeding, had no reasonable cause to believe the person's conduct was unlawful.

With respect to actions by or in the right of the corporation, a similar standard applies under Section 145(b) of the DGCL, except that indemnification only extends to expenses (including attorneys' fees) incurred in connection with the defense or settlement of such action, and the statute requires court approval before there can be any indemnification where the person seeking indemnification has been found liable to the corporation.

Section 145(c) of the DGCL provides that a director or officer who is successful, on the merits or otherwise, in defense of any proceeding subject to the DGCL's indemnification provisions shall be indemnified against expenses (including attorneys' fees) actually and reasonably incurred in connection therewith.

Section 145(e) of the DGCL provides that expenses incurred by a director or officer in defending any civil, criminal, administrative or investigative action, suit or proceeding may be paid by the corporation in advance of the final disposition of the action, suit or proceeding upon receipt of an undertaking by or on behalf of the director or officer to repay the amount if it is ultimately determined that he or she is not entitled to be indemnified by the corporation because he or she has not met the relevant standard of conduct described above.

Article VI of the registrant's Bylaws requires indemnification and the advancement of defense expenses to directors, officers and employees to the fullest extent permitted by the DGCL. The rights to indemnification and advancement granted under the DGCL and the Bylaws are not exclusive of any other rights any person may have or acquire under any law, agreement, vote of stockholders or directors, provisions of a charter or bylaws, or otherwise.

The registrant maintains insurance for the benefit of its directors and officers to insure these persons against certain liabilities, whether or not the registrant would have the power to indemnify them against these liabilities under the DGCL.

The registrant intends to enter into certain indemnification agreements with its directors and officers. The indemnification agreements provide the registrant's directors and officers with further indemnification, to the maximum extent permitted by the DGCL.

The foregoing summaries are subject to the text of the DGCL, the registrant's Certificate of Incorporation and Bylaws, and the indemnification agreements referred to above, and are qualified in their entirety by reference thereto.

Item 16. Exhibits.

Set forth below are the exhibits included as part of this Registration Statement.

<u>Exhibit No.</u>	<u>Description</u>	<u>Incorporation by Reference</u>
3.1	Amended and Restated Certificate of Incorporation	Incorporated by reference to Exhibit 4.1 to Form S-8 (Registration No. 333-203193) filed with the SEC on April 2, 2015
3.2	Amended and Restated By-Laws	Incorporated by reference to Exhibit 4.2 to Form S-8 (Registration No. 333-203193) filed with the SEC on April 2, 2015
4.1	Specimen Common Stock Certificate of the Registrant	Incorporated by reference to Exhibit 4.1 of Amendment No. 1 to Form S-1 (Registration No. 333-202159) filed with the SEC on March 11, 2015
5.1	Opinion of Gibson, Dunn & Crutcher LLP	
23.1	Consent of Kost Forer Gabbay & Kasierer, independent registered public accounting firm.	
23.2	Consent of Gibson, Dunn & Crutcher LLP to the use of their opinion as an exhibit to this registration statement is included in their opinion filed herewith as Exhibit 5.1.	
24.1	Powers of Attorney (included on signature pages hereto)	

Item 17. Undertakings.

The undersigned registrant hereby undertakes:

- (1) To file, during any period in which offers or sales are being made, a post-effective amendment to this registration statement:
 - (i) To include any prospectus required by Section 10(a)(3) of the Securities Act of 1933;
 - (ii) To reflect in the prospectus any facts or events arising after the effective date of the registration statement (or the most recent post-effective amendment thereof) which, individually or in the aggregate, represent a fundamental change in the information set forth in the registration statement. Notwithstanding the foregoing, any increase or decrease in volume of securities offered (if the total dollar value of securities offered would not exceed that which was registered) and any deviation from the low or high end of the estimated maximum offering range may be reflected in the form of prospectus filed with the Commission pursuant to Rule 424(b) if, in the aggregate, the changes in volume and price represent no more than 20% change in the maximum aggregate offering price set forth in the "Calculation of Registration Fee" table in the effective registration statement; and
 - (iii) To include any material information with respect to the plan of distribution not previously disclosed in the registration statement or any material change to such information in the registration statement;

provided, however, that paragraphs (i), (ii) and (iii) do not apply if the information required to be included in a post-effective amendment by those paragraphs is contained in reports filed with or furnished to the Commission by the registrant pursuant to Section 13 or Section 15(d) of the Securities Exchange Act of 1934 that are incorporated by reference in the registration statement, or is contained in a form of prospectus filed pursuant to Rule 424(b) that is part of the registration statement.

- (2) That, for the purpose of determining any liability under the Securities Act of 1933, each such post-effective amendment shall be deemed to be a new registration statement relating to the securities offered therein, and the offering of such securities at that time shall be deemed to be the initial *bona fide* offering thereof.
- (3) To remove from registration by means of a post-effective amendment any of the securities being registered which remain unsold at the termination of the offering.
- (4) That, for the purpose of determining liability under the Securities Act of 1933 to any purchaser:
 - (i) Each prospectus filed by the registrant pursuant to Rule 424(b)(3) shall be deemed to be part of the registration statement as of the date the filed prospectus was deemed part of and included in the registration statement; and
 - (ii) Each prospectus required to be filed pursuant to Rule 424(b)(2), (b)(5) or (b)(7) as part of a registration statement in reliance on Rule 430B relating to an offering made pursuant to Rule 415(a)(1)(i), (vii) or (x) for the purpose of providing the information required by Section 10(a) of the Securities Act of 1933 shall be deemed to be part of and included in the registration statement as of the earlier of the date such form of prospectus is first used after effectiveness or the date of the first contract of sale of securities in the offering described in the prospectus. As provided in Rule 430B, for liability purposes of the issuer and any person that is at that date an underwriter, such date shall be deemed to be a new effective date of the registration statement relating to the securities in the registration statement to which that prospectus relates, and the offering of such securities at that time shall be deemed to be the initial *bona fide* offering thereof. *Provided, however*, that no statement made in a registration statement or prospectus that is part of the registration statement or made in a document incorporated or deemed incorporated by reference into the registration statement or prospectus that is part of the registration statement will, as to a purchaser with a time of contract of sale prior to such effective date, supersede or modify any statement that was made in the registration statement or prospectus that was part of the registration statement or made in any such document immediately prior to such effective date.

- (iii) each prospectus filed pursuant to Rule 424(b) as part of a registration statement relating to an offering, other than registration statements relying on Rule 430B or other than prospectuses filed in reliance on Rule 430A, shall be deemed to be part of and included in the registration statement as of the date it is first used after effectiveness. *Provided, however*, that no statement made in a registration statement or prospectus that is part of the registration statement or made in a document incorporated or deemed incorporated by reference into the registration statement or prospectus that is part of the registration statement will, as to a purchaser with a time of contract of sale prior to such first use, supersede or modify any statement that was made in the registration statement or prospectus that was part of the registration statement or made in any such document immediately prior to such date of first use.
- (5) That, for the purpose of determining liability of the registrant under the Securities Act of 1933 to any purchaser in the initial distribution of the securities, the undersigned registrant undertakes that in a primary offering of securities of the undersigned registrant pursuant to this registration statement, regardless of the underwriting method used to sell the securities to the purchaser, if the securities are offered or sold to such purchaser by means of any of the following communications, the undersigned registrant will be a seller to the purchaser and will be considered to offer or sell such securities to such purchaser:
 - (i) Any preliminary prospectus or prospectus of the undersigned registrant relating to the offering required to be filed pursuant to Rule 424;
 - (ii) Any free writing prospectus relating to the offering prepared by or on behalf of the undersigned registrant or used or referred to by the undersigned registrant;
 - (iii) The portion of any other free writing prospectus relating to the offering containing material information about the undersigned registrant or its securities provided by or on behalf of the undersigned registrant; and
 - (iv) Any other communication that is an offer in the offering made by the undersigned registrant to the purchaser.
- (6) That, for purposes of determining any liability under the Securities Act of 1933, each filing of the registrant's annual report pursuant to Section 13(a) or Section 15(d) of the Securities Exchange Act of 1934 (and, where applicable, each filing of an employee benefit plan's annual report pursuant to Section 15(d) of the Securities Exchange Act of 1934) that is incorporated by reference in the registration statement shall be deemed to be a new registration statement relating to the securities offered therein, and the offering of such securities at that time shall be deemed to be the initial *bona fide* offering thereof.
- (7) In connection with offerings of securities at competitive bids: (a) to use its best efforts to distribute prior to the opening of bids, to prospective bidders, underwriters, and dealers, a reasonable number of copies of a prospectus which at that time meets the requirements of Section 10(a) of the Act, and relating to the securities offered at competitive bidding, as contained in the registration statement, together with any supplements thereto, and (b) to file an amendment to the registration statement reflecting the results of bidding, the terms of the reoffering and related matters to the extent required by the applicable form, not later than the first use, authorized by the issuer after the opening of bids, of a prospectus relating to the securities offered at competitive bidding, unless no further public offering of such securities by the issuer and no reoffering of such securities by the purchasers is proposed to be made.

- (8) Insofar as indemnification for liabilities arising under the Securities Act of 1933 may be permitted to directors, officers and controlling persons of the registrant pursuant to the foregoing provisions, or otherwise, the registrant has been advised that in the opinion of the Securities and Exchange Commission such indemnification is against public policy as expressed in the Securities Act of 1933 and is, therefore, unenforceable. In the event that a claim for indemnification against such liabilities (other than the payment by the registrant of expenses incurred or paid by a director, officer or controlling person of the registrant in the successful defense of any action, suit or proceeding) is asserted by such director, officer or controlling person in connection with the securities being registered, the registrant will, unless in the opinion of its counsel the matter has been settled by controlling precedent, submit to a court of appropriate jurisdiction the question whether such indemnification by it is against public policy as expressed in the Securities Act of 1933 and will be governed by the final adjudication of such issue.
- (9) That:
- (i) For purposes of determining any liability under the Securities Act of 1933, the information omitted from the form of prospectus filed as part of this registration statement in reliance upon Rule 430A and contained in a form of prospectus filed by the registrant pursuant to Rule 424(b)(1) or (4) or 497(h) under the Securities Act shall be deemed to be part of this registration statement as of the time it was declared effective.
 - (ii) For the purpose of determining any liability under the Securities Act of 1933, each post-effective amendment that contains a form of prospectus shall be deemed to be a new registration statement relating to the securities offered therein, and the offering of such securities at that time shall be deemed to be the initial *bona fide* offering thereof.
 - (11) To file an application for the purpose of determining the eligibility of the trustee to act under subsection (a) of Section 310 of the Trust Indenture Act in accordance with the rules and regulations prescribed by the Commission under Section 305(b)(2) of the Trust Indenture Act.

SIGNATURES

Pursuant to the requirements of the Securities Act of 1933, SolarEdge Technologies, Inc., certifies that it has reasonable grounds to believe that it meets all of the requirements for filing on Form S-3 and has duly caused this registration statement to be signed on its behalf by the undersigned, thereunto duly authorized, in city of New York, State of New York on February 12, 2019.

SOLAREEDGE TECHNOLOGIES, INC..

By: /s/ Guy Sella
Name: Guy Sella
Title: Chief Executive Officer and Chairman

POWER OF ATTORNEY

KNOW ALL PERSONS BY THESE PRESENTS, that the undersigned do hereby constitute and appoint Guy Sella, Ronen Faier and Rachel Prishkolnik, and each of them, the lawful attorneys-in-fact and agents with full power and authority to do any and all acts and things and to execute any and all instruments which said attorneys and agents, and any one of them, determine may be necessary or advisable or required to enable said corporation to comply with the Securities Act of 1933, as amended, and any rules or regulations or requirements of the Securities and Exchange Commission in connection with this registration statement. Without limiting the generality of the foregoing power and authority, the powers granted include the power and authority to sign the names of the undersigned officers and directors in the capacities indicated below to this registration statement, to any and all amendments, both pre-effective and post-effective, supplements to this registration statement and subsequent registration statements relating to the offering to which this registration statement relates (including pursuant to Rule 462(b)), and to any and all instruments or documents filed as part of or in conjunction with this registration statement or amendments or supplements thereof, and each of the undersigned hereby ratifies and confirms that all said attorneys and agents, or any one of them, shall do or cause to be done by virtue hereof. This Power of Attorney may be signed in several counterparts.

Pursuant to the requirements of the Securities Act of 1933, this registration statement has been signed by the following persons in the capacities and on the date indicated.

Signature	Title	Date
<u>/s/ Guy Sella</u> Guy Sella	Chief Executive Officer and Chairman (Principal Executive Officer)	February 12, 2019
<u>/s/ Ronen Faier</u> Ronen Faier	Senior Vice President and Chief Financial Officer (Principal Financial and Accounting Officer)	February 12, 2019
<u>/s/ Dan Avida</u> Dan Avida	Director	February 12, 2019
<u>/s/ Yoni Cheifetz</u> Yoni Cheifetz	Director	February 12, 2019
<u>/s/ Marcel Gani</u> Marcel Gani	Director	February 12, 2019
<u>/s/ Doron Inbar</u> Doron Inbar	Director	February 12, 2019
<u>/s/ Avery More</u> Avery More	Director	February 12, 2019
<u>/s/ Tal Payne</u> Tal Payne	Director	February 12, 2019

February 12, 2019

SolarEdge Technologies, Inc.
1 Hamada Street
Herziliya Pituach, Israel, 4673335.

Re: SolarEdge Technologies, Inc.
Registration Statement on Form S-3

Ladies and Gentlemen:

We have acted as counsel to SolarEdge Technologies, Inc., a Delaware corporation (the "Company"), in connection with the preparation and filing with the Securities and Exchange Commission (the "Commission") of a Registration Statement on Form S-3 (the "Registration Statement") under the Securities Act of 1933, as amended (the "Securities Act"), relating to the registration under the Securities Act and the proposed issuance and sale from time to time pursuant to Rule 415 under the Securities Act of shares of the Company's common stock, par value \$0.01 per share (the "Common Stock").

In arriving at the opinion expressed below, we have examined originals, or copies certified or otherwise identified to our satisfaction as being true and complete copies of the originals, of the specimen Common Stock certificates and such other documents, corporate records, certificates of officers of the Company and of public officials and other instruments as we have deemed necessary or advisable to enable us to render this opinion. In our examination, we have assumed the genuineness of all signatures, the legal capacity and competency of all natural persons, the authenticity of all documents submitted to us as originals and the conformity to original documents of all documents submitted to us as copies. As to any facts material to this opinion, we have relied to the extent we deemed appropriate and without independent investigation upon statements and representations of officers and other representatives of the Company and others.

We have assumed without independent investigation that:

- (i) at the time any Common Stock is sold pursuant to the Registration Statement (the "Relevant Time"), the Registration Statement and any supplements and amendments thereto (including post-effective amendments) will be effective and will comply with all applicable laws;
- (ii) at the Relevant Time, a prospectus supplement will have been prepared and filed with the Commission describing the Common Stock offered thereby and all related documentation and will comply with all applicable laws;
- (iii) all Common Stock will be issued and sold in the manner stated in the Registration Statement and the applicable prospectus supplement;
- (iv) at the Relevant Time, all corporate or other action required to be taken by the Company to duly authorize each proposed issuance of Common Stock and any related documentation shall have been duly completed and shall remain in full force and effect;
- (v) upon issuance of any Common Stock, the total number of shares of Common Stock issued and outstanding will not exceed the total number of shares of Common Stock that the Company is then authorized to issue under its certificate of incorporation and other relevant documents; and
- (vi) at the Relevant Time, a definitive purchase, underwriting or similar agreement and any other necessary agreement with respect to any Securities offered or issued will have been duly authorized by all necessary corporate or other action of the Company and duly executed and delivered by the Company and the other parties thereto.

Based on the foregoing and in reliance thereon, and subject to the assumptions, exceptions, qualifications and limitations set forth herein, we are of the opinion that when shares of Common Stock have been duly executed (in the case of certificated shares) and delivered either in accordance with the applicable definitive purchase, underwriting or similar agreement for the consideration provided for therein, such shares of Common Stock will be validly issued, fully paid and non-assessable.

The opinion expressed above is subject to the following exceptions, qualifications, limitations and assumptions:

- A. We render no opinion herein as to matters involving the laws of any jurisdiction other than the United States of America and the Delaware General Corporation Law. We are not admitted to practice in the State of Delaware; however, we are generally familiar with the Delaware General Corporation Law as currently in effect and have made such inquiries as we consider necessary to render the opinion expressed above. Without limitation, we do not express any opinion regarding any Delaware contract law. This opinion is limited to the effect of the current state of the laws of the United States of America and, to the limited extent set forth above, the laws of the State of Delaware and the facts as they currently exist. We assume no obligation to revise or supplement this opinion in the event of future changes in such laws or the interpretations thereof or such facts.
-

B. We express no opinion regarding the effectiveness of: (i) any waiver of stay, extension or usury laws; (ii) provisions relating to indemnification, exculpation or contribution, to the extent such provisions may be held unenforceable as contrary to public policy or federal or state securities laws or due to the negligence or willful misconduct of the indemnified party; (iii) any purported fraudulent transfer “savings” clause; (iv) any agreement to submit to the jurisdiction of any Federal court; (v) any waiver of the right to jury trial; or (vi) any provision to the effect that every right or remedy is cumulative and may be exercised in addition to any other right or remedy or that the election of some particular remedy does not preclude recourse to one or more others.

You have informed us that you intend to issue Common Stock from time to time on a delayed or continuous basis, and we understand that prior to issuing any Common Stock pursuant to the Registration Statement (i) you will advise us in writing of the terms thereof, and (ii) you will afford us an opportunity to (x) review the operative documents pursuant to which such Common Stock are to be issued or sold (including the applicable offering documents) and (y) file such supplement or amendment to this opinion (if any) as we may reasonably consider necessary or appropriate.

We consent to the filing of this opinion as an exhibit to the Registration Statement, and we further consent to the use of our name under the caption “Legal Matters” in the Registration Statement and the prospectus that forms a part thereof. In giving these consents, we do not thereby admit that we are within the category of persons whose consent is required under Section 7 of the Securities Act or the rules and regulations of the Commission promulgated thereunder.

Very truly yours,

/s/ Gibson, Dunn & Crutcher LLP

CONSENT OF INDEPENDENT REGISTERED PUBLIC ACCOUNTING FIRM

We consent to the reference to our firm under the caption “Experts” in this Registration Statement on Form S-3 and related prospectus of SolarEdge Technologies, Inc. for the registration of common stock and to the incorporation by reference therein of our reports dated February 20, 2018, with respect to the consolidated financial statements of SolarEdge Technologies, Inc. as of December 31, 2017, December 31, 2016 and June 30, 2016 and for the year ended December 31, 2017, the period from July 1, 2016 to December 31, 2016, and each of the two fiscal years in the period ended June 30, 2016, and the effectiveness of internal control over financial reporting of SolarEdge Technologies, Inc. included therein, filed with the Securities and Exchange Commission.

Tel-Aviv, Israel
February 12, 2019

/s/ KOST FORER GABBAY & KASIERER
KOST FORER GABBAY & KASIERER
A Member of Ernst & Young Global
