



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

DIVISION OF  
CORPORATION FINANCE

Mail Stop 3030

February 17, 2017

Via E-mail

Ronen Faier  
Chief Financial Officer  
SolarEdge Technologies, Inc.  
1 HaMada Street  
Herziliya Pituach 4673335, Israel

**Re: SolarEdge Technologies, Inc.  
Form 10-K for the Fiscal Year Ended June 30, 2016  
Filed August 17, 2016  
File No. 001-36894**

Dear Mr. Faier:

We have completed our review of your filings. We remind you that the company and its management are responsible for the accuracy and adequacy of their disclosures, notwithstanding any review, comments, action or absence of action by the staff.

Sincerely,

/s/ Kevin J. Kuhar

Kevin J. Kuhar  
Accounting Branch Chief  
Office of Electronics and Machinery