

POWER INTEGRATIONS INC  
Form NT 10-K  
March 16, 2007  
(Check One):

**UNITED STATES**

SEC FILE NUMBER

Form 10-K

**SECURITIES AND EXCHANGE COMMISSION**

Form 20-F

**Washington, DC 20549**

000-23441

Form 11-K

Form 10-Q

**FORM 12b-25**

CUSIP NUMBER

Form N-SAR

Form N-CSR

**NOTIFICATION OF LATE FILING**

739276103

For Period Ended: December 31, 2006

- Transition Report on Form 10-K
- Transition Report on Form 20-F
- Transition Report on Form 11-K
- Transition Report on Form 10-Q
- Transition Report on Form N-SAR

For the Transition Period Ended: \_\_\_\_\_

*Read Instruction (on back page) Before Preparing Form. Please Print or Type.*

**Nothing in this form shall be construed to imply that the Commission has verified any information contained herein.**

If the notification relates to a portion of the filing checked above, identify the Item(s) to which the notification relates:

**PART I REGISTRANT INFORMATION**

**Power Integrations, Inc.**  
(Full Name of Registrant)

N/A  
(Former Name if Applicable)

**5245 Hellyer Avenue**  
(Address of Principal Executive Office (*Street and Number*))

**San Jose, California 95138-1002**  
(City, State and Zip Code)

**PART II RULES 12b-25(b) AND (c)**

If the subject report could not be filed without unreasonable effort or expense and the registrant seeks relief pursuant to Rule 12b-25(b), the following should be completed. (Check box if appropriate)

- (a) The reasons described in reasonable detail in Part III of this form could not be eliminated without unreasonable effort or expense;
- (b) The subject annual report, semi-annual report, transition report on Form 10-K, Form 20-F, 11-K Form N-SAR or Form N-CSR, or portion thereof, will be filed on or before the fifteenth calendar day following the prescribed due date; or the subject quarterly report or transition report on Form 10-Q, or portion thereof, will be filed on or before the fifth calendar day following the prescribed due date; and
- (c) The accountant's statement or other exhibit required by Rule 12b-25(c) has been attached if applicable.

**PART III NARRATIVE**

State below in reasonable detail the reasons why Forms 10-K, 20-F, 11-K, 10-Q, N-SAR, or the transition report portion thereof, could not be filed within the prescribed time period.

**As previously announced, Power Integrations, Inc. ( POWI ) has restated its financial statements for years prior to 2005 for inclusion in its Annual Report on Form 10-K for the year ended December 31, 2005 (the 2005 Form 10-K ). The process of restating these historical financial statements and filing its 2005 Form 10-K was a long and involved process, and POWI was not able to file its 2005 Form 10-K until March 8, 2007. POWI is currently preparing its Quarterly Reports on Form 10-Q for the first three quarters of 2006, as well as its Annual Report on Form 10-K for the year ended December 31, 2006 (the 2006 Form 10-K ). POWI will not be able to file its 2006 Form 10-K until it has completed the process of preparing and filing its Quarterly Reports on Form 10-Q for the first three quarters of 2006.**

**POWI intends to file its Quarterly Reports on Form 10-Q for the quarters ended March 31, 2006, June 30, 2006, and September 30, 2006, and its Annual Report on Form 10-K for the year ended December 31, 2006, as soon as practicable.**

**PART IV OTHER INFORMATION**

(1) Name and telephone number of person to contact in regard to this notification

**Rafael Torres**  
(Name)

**(408)**  
(Area Code)

**414-9200**  
(Telephone Number)

(2) Have all other periodic reports required under Section 13 or 15(d) of the Securities Exchange Act of 1934 or Section 30 of the Investment Company Act of 1940 during the preceding 12 months or for such shorter period that the registrant was required to file such report(s) been filed? If answer is no, identify report(s).  Yes  No

**Quarterly Reports on Form 10-Q for the quarters ended March 31, 2006, June 30, 2006, and September 30, 2006.**

(3) Is it anticipated that any significant change in results of operations from the corresponding period for the last fiscal year will be reflected by the earnings statements to be included in the subject report or portion thereof?  Yes  No

If so, attach an explanation of the anticipated change, both narratively and quantitatively, and, if appropriate, state the reasons why a reasonable estimate of the results cannot be made.

**Power Integrations, Inc.**  
(Name of Registrant as Specified in Charter)

Has caused this notification to be signed on its behalf by the undersigned hereunto duly authorized.

Date March 16, 2007

By

**/s/ Rafael Torres**  
**Chief Financial Officer**

INSTRUCTION: The form may be signed by an executive officer of the registrant or by any other duly authorized representative. The name and title of the person signing the form shall be typed or printed beneath the signature. If the statement is signed on behalf of the registrant by an authorized representative (other than an executive officer), evidence of the representative's authority to sign on behalf of the registrant shall be filed with the form.

**ATTENTION**

**Intentional misstatements or omissions of fact constitute Federal Criminal Violations (See 18 U.S.C. 1001).**