

Trina Solar LTD  
Form 6-K  
March 19, 2010

**UNITED STATES  
SECURITIES AND EXCHANGE COMMISSION  
WASHINGTON, DC 20549  
FORM 6-K  
REPORT OF FOREIGN PRIVATE ISSUER  
PURSUANT TO RULE 13a-16 OR 15d-16 UNDER  
THE SECURITIES EXCHANGE ACT OF 1934  
For the month of March 2010**

**Commission File Number: 001-33195**

**TRINA SOLAR LIMITED**

No. 2 Tian He Road  
Electronics Park, New District  
Changzhou, Jiangsu 213031  
People's Republic of China  
(Address of principal executive offices)

Indicate by check mark whether the registrant files or will file annual reports under cover of Form 20-F or Form 40-F:

Form 20-F

Form 40-F

Indicate by check mark if the registrant is submitting the Form 6-K in paper as permitted by Regulation S-T Rule 101(b)(1):

Indicate by check mark if the registrant is submitting the Form 6-K in paper as permitted by Regulation S-T Rule 101(b)(7):

**Incorporation by Reference**

The document attached as exhibit 99.1 to this 6-K shall be incorporated by reference into the Registrant's Registration Statement on Form F-3 as filed on July 27, 2009 (No. 333-160826).

The Registrant is filing a material document not previously filed.

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SIGNATURE

Pursuant to the requirements of the Securities Exchange Act of 1934, the registrant has duly caused this report to be signed on its behalf by the undersigned, thereunto duly authorized.

TRINA SOLAR LIMITED

By: /s/ Jifan Gao

Name: Jifan Gao

Title: Chairman and Chief Executive  
Officer

Date: March 19, 2010

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**Exhibit Index**

Exhibit 99.1 Underwriting Agreement dated March 18, 2010 among the Registrant, Credit Suisse Securities (USA) LLC, Goldman Sachs (Asia) L.L.C. and Barclays Capital Inc.