Trina Solar LTD Form 6-K January 10, 2012

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 January 2012

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 x Form 40-F o

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): o

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): o

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/ Terry Wang

Name: Terry Wang

Title: Chief Financial Officer

Date: January 10, 2012

Exhibit Index

Exhibit 99.1 Press Release

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