

**UNITED STATES
SECURITIES AND EXCHANGE COMMISSION
Washington D.C. 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 October 2009

Commission File Number: 001-33107

CANADIAN SOLAR INC.

**No. 199 Lushan Road
Suzhou New District
Suzhou, Jiangsu 215129
People's Republic of China
(Address of principal executive office)**

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):

Indicate by check mark whether the registrant by furnishing the information contained in this Form is also thereby furnishing the information to the Commission pursuant to Rule 12g3-2(b) under the Securities Exchange Act of 1934.

Yes No

If "Yes" is marked, indicate below the file number assigned to the registrant in connection with Rule 12g3-2(b): 82- N/A

CANADIAN SOLAR INC.

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Exhibit 99.1 — Press Release

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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.

CANADIAN SOLAR INC.

By: /s/ Shawn (Xiaohua) Qu

Name: Shawn (Xiaohua) Qu

Title: Chairman, President and Chief Executive Officer

Date: October 13, 2009

EXHIBIT INDEX

Exhibit 99.1 — Press Release



Canadian Solar Announces Follow-on Public Offering

Ontario, Canada, October 13, 2009 — Canadian Solar Inc. (the “Company”, “Canadian Solar” or “we”) (NASDAQ: CSIQ) today announced that it intends to offer, subject to market and other conditions, approximately 6 million shares of common stock. In connection with this offering, the underwriters will have an option to purchase up to an additional 900,000 shares of common stock. The company is conducting the offering pursuant to an effective registration statement under the Securities Act of 1933.

The company plans to use the net proceeds for general corporate purposes. Pending application of the funds, the Company expects to invest the net proceeds in short-term interest-bearing securities or bank deposits.

The offering is being made solely by means of a prospectus supplement and accompanying prospectus. This press release does not constitute an offer to sell or the solicitation of an offer to buy nor shall there be any sale of these securities in any jurisdiction in which such offer, solicitation or sale is unlawful.

Morgan Stanley, Deutsche Bank Securities Inc. and Piper Jaffray & Co. are serving as joint bookrunners of this offering, and Wells Fargo Securities is serving as co-manager. Copies of the preliminary prospectus supplement and final prospectus supplement, when available, may be obtained from Morgan Stanley & Co. Incorporated, 1585 Broadway, New York, NY 10036. The Company’s F-3 Registration Statement and preliminary prospectus supplement are available from the U.S. Securities and Exchange Commission’s website at: www.sec.gov.

About Canadian Solar Inc. (NASDAQ: CSIQ)

Canadian Solar Inc. is a vertically integrated provider of ingot, wafer, solar cell, solar module and other solar applications. Canadian Solar designs, manufactures and delivers solar products and solar systems for on-grid and off-grid use to customers worldwide. For more information, visit www.canadian-solar.com.

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Safe Harbor/Forward-Looking Statements

Certain statements in this press release including statements related to the offering and the expected use of proceeds are forward-looking statements that involve a number of risks and uncertainties that could cause actual results to differ materially. These statements are made under the “Safe Harbor” provisions of the U.S. Private Securities Litigation Reform Act of 1995. Factors that could cause actual results to differ are described in the Company’s SEC filings, including its annual report on Form 20-F originally filed on June 8, 2009, as amended by its report on Form 20-F/A, filed on October 13, 2009.