

FORM 6-K

SECURITIES AND EXCHANGE COMMISSION
WASHINGTON D.C. 20549

REPORT OF FOREIGN ISSUER
PURSUANT TO RULE 13a-16 OR 15d-16 OF THE
SECURITIES EXCHANGE ACT OF 1934

FOR THE MONTH OF DECEMBER 2006

COMMISSION FILE NUMBER: 001-33107

CANADIAN SOLAR INC.

XIN ZHUANG INDUSTRY PARK,
CHANGSHU, SUZHOU
JIANGSU 215562
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 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 by furnishing the information contained in this Form, the registrant 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.

Form 6-K

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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/ Xiaohua Qu

Name: Xiaohua Qu
Title: Chairman and Chief Executive
Officer

Date: December 11, 2006

CANADIAN SOLAR REPORTS THIRD QUARTER 2006 RESULTS

COMPANY TO HOLD CONFERENCE CALL TODAY AT 9 A.M. NEW YORK TIME

- o Third quarter 2006 net revenues increased to \$17.8 million, compared to \$4.5 million for the third quarter of 2005
- o Third quarter 2006 non-GAAP diluted earnings per share of \$0.15, compared to \$0.08 for the third quarter of 2005
- o CSI expects fourth quarter 2006 net revenues to be in the range of \$24.5 million to \$26 million, including approximately \$8.1 million of silicon materials sales, compared to net revenues of \$6.81 million for the fourth quarter 2005

JIANGSU, CHINA, DECEMBER 11, 2006 -- Canadian Solar Inc. ("the Company", or "CSI") (Nasdaq: CSIQ) today reported unaudited financial results for the three and nine months ended September 30, 2006.

Net revenues for the third quarter of 2006 was \$17.8 million, compared to \$4.5 million for the third quarter of 2005. Net income was \$0.2 million, or \$0.01 per diluted share, compared to a net income of \$1.2 million, or \$0.08 per diluted share for the third quarter of 2005. Excluding share-based compensation of \$2.9 million or \$0.14 per diluted share, net income for the third quarter of 2006 was \$0.15 per diluted share.

Shawn Qu, Chairman and CEO of CSI, commented: "We had another good quarter, led by the continued growth in sales to our existing customers, particularly in Germany and Spain. Our diversified supply chain approach, long-term supply agreements and silicon reclamation program helped us to offset relatively high material costs. Separately, we raised approximately \$83.2 million from our initial public offering, providing us with capital to continue implementing our growth strategy, which includes bringing four solar cell production lines online in 2007."

Bing Zhu, Chief Financial Officer of CSI, said: "On a non-GAAP basis (excluding non-cash charges relating to share-based compensation and the convertible note), we achieved year-over-year net revenues and net income growth in the third quarter."

As of September 30, 2006, the Company had cash and cash equivalents of \$12.2 million. This amount does not include the approximately \$83 million net proceeds from the Company's initial public offering that will be recorded in the fourth quarter of 2006.

OUTLOOK

Based on current market conditions and customer forecasts, the Company expects its net revenues for the fourth quarter of 2006 to be approximately \$24.5 million to \$26 million, including approximately \$8.1 million of silicon materials sales, compared to net revenues of \$6.81 million for the fourth quarter of 2005 and \$17.8 million for the third quarter of 2006. The fourth quarter will include charges of approximately \$2.69 million or \$0.11 per diluted share relating to share-based compensation.

With respect to the fourth quarter of 2006, Mr. Qu commented: "I just returned this past Saturday from another visit to our key German market. Unlike earlier visits, I observed some weakness in this important market, which I believe is attributable, in part, to inventory clearance efforts by smaller solar module makers, many of whom are, I believe leaving the market. Although industry consolidation will benefit the overall market and CSI in the mid- to long-term, in the short term, the current inventory clearance efforts by these smaller solar module makers have caused some of CSI's German distributors to delay or reduce their end-of-year product stocking plans, thereby impacting CSI's near-term operating results. We believe, following our IPO, CSI is well-capitalized and our financial strength will allow us to weather near-term market volatility."

Looking forward, Mr. Qu stated: "CSI is addressing the situation by taking the following measures:

- o we are working closely with our long-term distributors in their business planning, and increasing our support for their marketing and branding programs;
- o we are accelerating our marketing efforts outside of Germany, particularly in Spain, the U.S. and Korea; and
- o we are renegotiating our existing feedstock supply agreements and entering into new, more favorable, long-term supply agreements by leveraging our purchase volumes and financial strength with our loyal suppliers. The new supply contracts have allowed us to sell a limited amount of our existing solar silicon materials and will permit us to further reduce costs."

INVESTOR CONFERENCE CALL / WEBCAST DETAILS

A conference call has been scheduled for 10:00 p.m. on Monday, December 11, 2006 (in Jiangsu). This will be 9:00 a.m. on Monday, December 11, in New York. During the call, time will be set-aside for analysts and interested investors to ask questions of executive officers.

The call may be accessed by dialing +1-201-689-8471. A replay of the call will be available starting two hours after the live call through to 1:00 p.m. on Thursday, December 21, 2006 (in Jiangsu) or midnight on Wednesday, December 20, 2006 (in New York) at www.csisolar.com and by telephone at +1-201-612-7415. The account number to access the replay is 3055 and the conference ID number is 223686.

ABOUT CANADIAN SOLAR INC.

Founded in 2001, Canadian Solar Inc. (CSI) is a standard solar module and specialty solar module and product company, serving customers located in various markets worldwide. CSI is incorporated in Canada and conducts all of its manufacturing operations in China. Backed by years of experience and knowledge in the solar power market and the silicon industry, CSI has become a major global provider of solar power products for a wide range of applications. For more information visit www.csisolar.com.

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SAFE HARBOR / FORWARD-LOOKING STATEMENTS:

Certain statements in this press release including statements regarding expected future financial and industry growth 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. In some cases, you can identify forward-looking statements by such terms as "believes," "expects," "anticipates," "intends," "estimates," the negative of these terms, or other comparable terminology. Factors that could cause actual results to differ include general business and economic conditions and the state of the solar industry; governmental support for the deployment of solar power; future shortage or availability of the supply of high-purity silicon; demand for end-use products by consumers and inventory levels of such products in the supply chain; changes in demand from significant customers, including customers of our silicon materials sales; changes in demand from major markets such as Germany; changes in customer order patterns; changes in product mix; capacity utilization; level of competition; pricing pressure and declines in average selling price; delays in new product introduction; continued success in technological innovations and delivery of products with the features customers demand; shortage in supply of materials or capacity requirements; availability of financing; exchange rate fluctuations; litigation and other risks as described in the Company's SEC filings, including its registration statement on Form F-1 originally filed on October 23, 2006, as amended. Although the Company believes that the expectations reflected in the forward looking statements are reasonable, it cannot guarantee future results, level of activity, performance, or achievements. You should not place undue reliance on these forward-looking statements. All information provided in this press release and in the attachments is as of December 11, 2006, and CSI undertakes no duty to update such information, except as required under applicable law.

-- TABLES ATTACHED --

CANADIAN SOLAR INC.
 UNAUDITED CONDENSED CONSOLIDATED STATEMENTS OF OPERATIONS
 (IN THOUSANDS OF U.S. DOLLARS, EXCEPT SHARE AND
 PER SHARE DATA AND UNLESS OTHERWISE STATED)

THREE MONTHS
 NINE MONTHS
 ENDED
 SEPTEMBER 30
 ENDED

SEPTEMBER 30,
 2006 2005
 2006 2005

Products \$
 17,799 \$
 4,530 \$
 43,773 \$
 11,084 Others
 - - 68 428 --
 ----- --
 ----- --

 TOTAL NET
 REVENUES \$
 17,799 \$
 4,530 \$
 43,841 \$
 11,512 TOTAL
 COST OF
 REVENUES
 12,977 2,784
 31,601 6,704

 GROSS PROFIT
 4,822 1,746
 12,240 4,808
 OPERATING
 EXPENSES:
 Selling
 expenses
 1,147 33
 1,676 100
 General and
 administrative
 expenses
 2,733 465
 4,483 1,226
 Research and
 development
 expenses 70 2
 115 10 -----

----- TOTAL
 OPERATING
 EXPENSES
 3,950 500
 6,274 1,336 -
 ----- -
 ----- -

 OPERATING
 INCOME (LOSS)
 872 1,246
 5,966 3,472
 Interest
 Expenses
 (346) -
 (1,980) -
 Interest
 income 38 4

91 8 Loss on
 change in
 fair value of
 derivatives -
 - (6,997) -
 Loss on
 financial
 instruments
 related to
 convertible
 notes - -
 (1,190) -
 Other income
 (expenses),
 net (12) (7)
 (13) (21) ---

Income (loss)
 before income
 taxes 552
 1,243 (4,123)
 3,459 Income
 tax expense
 (313) (6)
 (202) (343) -

NET INCOME
 (LOSS) \$ 239
 \$ 1,237 \$
 (4,325) \$
 3,116
 =====
 =====
 =====
 =====

BASIC
 EARNINGS PER
 SHARE \$ 0.01
 \$ 0.08 (\$
 0.25) \$ 0.20
 DILUTED
 EARNINGS PER
 SHARE \$ 0.01
 \$ 0.08 (\$
 0.25) \$ 0.20

BASIC
 WEIGHTED
 AVERAGE
 OUTSTANDING
 SHARES
 20,970,000
 15,427,995
 17,275,330
 15,427,995
 DILUTED
 WEIGHTED
 AVERAGE
 OUTSTANDING
 SHARES
 20,998,344
 15,427,995
 17,275,330
 15,427,995

CANADIAN SOLAR INC.
 RECONCILIATION OF US GAAP GROSS PROFIT,
 OPERATING INCOME (LOSS) AND NET INCOME (LOSS) TO
 NON-US GAAP GROSS PROFIT, OPERATING INCOME (LOSS) AND NET INCOME (LOSS)
 (IN THOUSANDS OF US DOLLARS)
 (UNAUDITED)

USE OF NON-US GAAP FINANCIAL INFORMATION

To supplement its condensed consolidated financial statements presented on a US GAAP basis, Canadian Solar uses non-US GAAP measures of gross profit, operating income (loss) and net income (loss), that are US GAAP gross profit, operating income (loss) and net income (loss) adjusted to exclude certain costs, expenses or gains, referred to as special items. Non-US GAAP adjusted gross profit, operating income (loss) and net income (loss) measure give an indication of the company's baseline performance before other charges that are considered by management to be outside of its core operating results. In addition, the company's non-US GAAP adjusted measure of gross profit, operating income (loss) and net income (loss) are among the primary indicators management uses as a basis for its planning and forecasting of future periods. The presentation of this additional information should not be considered in isolation or as a substitute for gross profit, operating income (loss) and net income (loss) prepared in accordance with generally accepted accounting principles in the United States of America.

THREE	
MONTHS	
ENDED THREE	
MONTHS	
ENDED	
SEPTEMBER	
30, 2006	
SEPTEMBER	
30, 2005	
GROSS	
OPERATING	
NET GROSS	
OPERATING	
NET PROFIT	
INCOME	
INCOME	
PROFIT	
INCOME	
INCOME	
(LOSS)	
(LOSS)	
(LOSS)	
(LOSS) ----	

-- -----	

----- US	
GAAP	
Amounts	
\$4,822 \$872	
\$239 \$1,746	
\$1,246	
\$1,237	
Special	
items Share	
based	
compensation	
charges 73	
2,904 2,904	
- - - Total	
special	
items 73	
2,904 2,904	
- - - Non-	
US GAAP	
Profit	
\$4,895	
\$3,776	
\$3,143	

\$1,746	
\$1,246	
\$1,237	
Adjusted	
Gross	
Margin	
27.5%	38.5%
Adjusted	
Operating	
Expense - %	
of Revenue	
6.3%	11.0%
Adjusted	
Operating	
Margin	
21.2%	27.5%
NINE MONTHS	
ENDED NINE	
MONTHS	
ENDED	
SEPTEMBER	
30, 2006	
SEPTEMBER	
30, 2005	
GROSS	
OPERATING	
NET GROSS	
OPERATING	
NET PROFIT	
INCOME	
INCOME	
PROFIT	
INCOME	
INCOME	
(LOSS)	
(LOSS)	
(LOSS)	
(LOSS) US	
GAAP	
Amounts	
\$12,240	
\$5,966	
(\$4,325)	
\$4,808	
\$3,472	
\$3,116	
Special	
items Share	
based	
compensation	
charges 97	
3,494	3,494
- - - Non-	
cash	
charges	
relating to	
convertible	
notes - -	
8,893	- - -
Total	
special	
items 97	
3,494	
12,387	- -
- Non-US	
GAAP Profit	
\$12,337	
\$9,460	
\$8,062	
\$4,808	
\$3,472	
\$3,116	
Adjusted	
Gross	
Margin	
28.1%	41.8%
Adjusted	
Operating	
Expense - %	
of Revenue	
6.5%	11.6%

Adjusted
Operating
Margin
21.6% 30.2%

Non-US GAAP adjusted condensed consolidated statements of operations are intended to present the Company's operating results, excluding special items.

CANADIAN SOLAR INC.
UNAUDITED CONDENSED CONSOLIDATED BALANCE SHEETS
(IN THOUSANDS OF U.S. DOLLARS)

SEPTEMBER	30, DECEMBER
31, 2006	2005 ASSETS
Current	
assets: Cash	
and cash	
equivalents	
12,239	6,280
Restricted	
cash	
771	112
Accounts	
receivable	
8,440	2,067
Inventories	
30,005	
12,163	
Advances to	
suppliers	
4,212	4,739
Other	
current	
assets	2,553
1,072	Total
current	
assets	
58,220	
26,433	
Property,	
plant and	
equipment,	
net	
3,486	
932	
Intangible	
assets, net	
526	-
Deferred	
offering	
cost	
3,780	-
Deferred tax	
assets (non-	
current)	
256	
65	TOTAL
ASSETS	
66,268	
27,430	
LIABILITIES	
AND	
STOCKHOLDER'S	
EQUITY	
Current	
liabilities:	
Short-term	
borrowing	
23,190	1,300
Accounts	
payable	
2,445	4,306
Advances	
from	
suppliers	
and	
customers	
6,414	2,823
Income tax	
payable	
575	
914	Amounts
due to	
related	
parties	
103	
431	Embedded
derivatives	
related to	

convertible
notes -
3,679 Other
current
liabilities
4,687 1,914
Total
current
liabilities
37,414
15,367
Accrued
warranty
costs 769
341
Convertible
notes -
3,387
Financial
instruments
related to
convertible
notes -
1,107 Other
non-current
liabilities
982 261
TOTAL
LIABILITIES
39,165
20,463 Paid-
in capital
10,373 211
Additional
paid-in
capital
13,910 -
Retained
earnings
2,322 6,647
Foreign
currency
translation
reserve 498
109 Total
stockholder's
equity
27,103 6,967
TOTAL
LIABILITIES
AND
STOCKHOLDER'S
EQUITY
66,268
27,430