
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 March 2008

Commission File Number: 001-33107

CANADIAN SOLAR INC.

199 Lushan Road
Suzhou New District
Suzhou, Jiangsu 215129
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/ Bing Zhu

Name: Bing Zhu

Title: Chief Financial Officer

Date: March 6, 2008



Canadian Solar Reports Fourth Quarter 2007 and Year End Results and 2008 Outlook

2007 Results

- Q4 net revenues of \$127.5 million, a 31% increase over Q3 net revenues of \$97.4 million
- Q4 net income per diluted share of \$0.20 compared to Q3 net income per diluted share of \$0.02
- Full year 2007 net revenues of \$302.8 million, a 344% increase over full year 2006 net revenues of \$68.2 million
- Q4 shipments of 37.8MW, bringing full year 2007 shipments to 83.5MW, a 542% increase over full year 2006 shipments of 15.4MW

2008 Outlook and Developments

- Reiterates full year 2008 net revenue guidance of \$650-\$750 million on shipments of 200-220MW
- Over 90% of projected 2008 module sales secured by firm contracts
- Almost all projected 2008 silicon, wafer and cell requirements secured by firm contracts
- 100MW of new solar cell production capacity installed in November 2007 and expected to reach full capacity in Q1 2008
- New Changshu solar module facility completed on schedule in February 2008, bringing total annual solar module production capacity to 400MW

JIANGSU, China, March 5, 2008 — Canadian Solar Inc. (“the Company,” “CSI,” or “we”) (NASDAQ: CSIQ) today reported its preliminary unaudited US GAAP financial information for the fourth quarter and the year ended December 31, 2007.

Net revenues for the quarter were \$127.5 million (including \$2.4 million of silicon material sales), compared to net revenues of \$24.4 million for the fourth quarter of 2006 (including \$8.3 million of silicon materials sales) and \$97.4 million for the third quarter of 2007 (including \$3.8 million of silicon materials sales). Net income for the quarter was \$5.5 million, or \$0.20 per diluted share, compared to a net loss of \$5.1 million, or \$0.21 per diluted share, for the fourth quarter of 2006 and net income of \$0.5 million, or \$0.02 per diluted share, for the third quarter of 2007. Excluding share-based compensation expenses of \$2.2 million, non-GAAP net income for the quarter would have been \$7.7 million, or \$0.27 per diluted share.

Net revenues for 2007 were \$302.8 million, compared to \$68.2 million for 2006. Net loss for 2007 was \$0.7 million, or \$0.02 per diluted share, compared to net loss of \$9.4 million, or \$0.50 per diluted share, for 2006. Excluding share-based compensation expenses of \$9.2 million, non-GAAP net income for 2007 would have been \$8.5 million, or \$0.31 per diluted share.

Dr. Shawn Qu, Chairman and CEO of CSI, commented: "In Q4, we continued to have strong sales growth, through both our long-term, tier-one distributors and project facilitators and our new partners in targeted geographic territories. Our strategic decision to focus on tier-one distributors and project-based companies has created a robust and sustainable market for our products. The Company ended the year in a much stronger position thanks to increased sales and marketing efforts, key personnel hires, secured silicon supply arrangements, and successful execution of our capacity expansion and vertical integration into solar cell manufacturing. As a result of these initiatives, we were able to outpace the rapidly growing solar industry and increase our market share. We fulfilled our commitment to turn the company around and brought added value to our shareholders through solid top line growth and bottom line improvement, quarter over quarter."

Dr. Qu continued, "Our 'trade-mark' flexible vertical integration model and balanced supply strategy, which includes direct purchasing of cells from select long-term suppliers to supplement our internal cell manufacturing capabilities, enabled us to meet demand, and off-set supply constraints and high pricing experienced in the market during the year. Looking ahead, our prospects remain strong to expand production to meet customer demand in new and existing markets."

Bing Zhu, CFO of CSI, noted: "We are encouraged by our success in Q4, especially the significant improvement in our net revenues and gross margin. We expect further improvements in our gross margin in 2008 as our annual cell production capacity increases from 100MW to 250MW. Our current cash position, the expected profit and local bank financing are sufficient to support our planned expansion and near term working capital needs. We are committed to maintaining profitability as we expand our operations."

| Revenue by Geography (US \$ millions) | | | | | | | | | | |
|---------------------------------------|-----------------|-------|-----------------|-------|-----------------|-------|-----------------|-------|-----------------|-------|
| Region | Q407 Revenue | % | Q307 Revenue | % | Q406 Revenue | % | FY07 Revenue | % | FY06 Revenue | % |
| Europe | 124.1 | 97.3% | 93.0 | 95.5% | 11.0 | 45.0% | 286.6 | 94.6% | 52.0 | 76.2% |
| Asia | 2.9 | 2.3% | 4.4 | 4.5% | 13.4 | 54.8% | 13.6 | 4.5% | 14.2 | 20.9% |
| Americas | 0.5 | 0.4% | | | 0.0 | 0.2% | 2.6 | 0.9% | 2.0 | 2.9% |
| Total Net Revenue | 127.5 | 100% | 97.4 | 100% | 24.4 | 100% | 302.8 | 100% | 68.2 | 100% |

Note: Asian revenue included \$2.4 million of silicon materials sales in the fourth quarter of 2007 and \$3.8 million of silicon materials sales in the third quarter of 2007.

Recent Developments

- Received approximately \$73 million net proceeds from a private offering of senior convertible notes in December 2007.
- Opened a new Changshu solar module facility in February 2008, bringing our total annual solar module production capacity to 400MW.
- Expansion of our solar cell manufacturing capacity from 100MW to 250MW is on track for completion by the Q3 2008.
- Phase One of our Luoyang solar ingot and wafer plant is on track for completion in the summer of 2008, providing us with annual solar wafer capacity of 40-60MW.
- Diversified our silicon wafer supply sources by signing supply contracts with four new suppliers.

Outlook

Dr. Qu continued: "With more than 80MW shipped in 2007 and over 200MW of deliveries forecasted for 2008, CSI is quickly gaining the critical size and economy of scale to establish itself as a long-term player in the solar industry. The severe snowstorms in China at the end of January caused some delays in deliveries from suppliers. CSI management responded by leveraging our strong and diversified supply chain and increased supply from other resources. We believe that we are still on track for quarter over quarter revenue growth and margin improvement. This clearly demonstrates the capability of our management team, our strong relationships with loyal supply partners, and the unique strength of our flexible vertical integration business model."

Net revenue for the first quarter of 2008 is expected to be in the range of \$150-\$155 million, with non-GAAP operating income, determined by excluding share based compensation expenses, expected to be in the range of \$12 - \$12.5 million. Shipments for the first quarter of 2008 are expected to be approximately 40MW, including some tolling business.

Based on current customer orders, market forecasts and supply contracts, we reiterate our forecast for 2008 net revenues of \$650-\$750 million on shipments of 200-220MW of regular solar modules. We intend to continue our long-term supply chain strategy of combining internal solar wafer and cell production with direct purchasing from a select number of long-term strategic wafer and cell suppliers. The Company believes that it has contractually secured nearly all of its silicon, wafer and cell requirements for 2008 to support its guidance. The Company continues to advance new technologies; including the use of upgraded metallurgical silicon (UMG) based solar module products. The Company expects to ship around 1MW of UMG solar module products in Q1 and aims to ship 30- 40MW of UMG solar module products in the full year 2008.

Looking ahead to 2009, if all of our long-term supplier contracts are fully implemented, we should have access to approximately 200MW of regular polysilicon and wafers. Based on our strong position as a worldwide photovoltaic solar module supplier and the expansion plans of our strategic partners, we believe that we should be able to secure an additional 200MW of regular photovoltaic solar cells, thereby enabling us to produce approximately 400MW of regular photovoltaic solar modules and 100-150MW of UMG products in 2009.

Investor Conference Call / Webcast Details

A conference call has been scheduled for 9:00 p.m. on Wednesday, March 5, 2008 (in Jiangsu). This will be 8:00 a.m. on Wednesday, March 5, 2008 in New York. During the call, time will be set aside for analysts and interested investors to ask questions of senior executive officers of the Company.

The call may be accessed by dialing: +1-866-383-7989 (domestic) or +1-617-597-5328 (international). The passcode to access the call is: 91205021. A replay of the call will be available starting one hour after the call and continuing until 10:00 p.m. on Wednesday, March 12, 2008 (in Jiangsu) or 10:00 a.m. on Wednesday, March 12, 2008 (in New York) at www.csisolar.com and by telephone at +1-888-286-8010 (domestic) or +1-617-801-6888 (international). The passcode to access the replay is: 37681104.

About Canadian Solar Inc. (NASDAQ: CSIQ)

Founded in 2001, Canadian Solar Inc. (CSI) is a vertically integrated manufacturer of solar cell, solar module and custom-designed solar application products serving customers 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, please visit <http://www.csisolar.com>.

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 annual report on Form 20-F originally filed on May 29, 2007. 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 is as of today's date, unless otherwise stated, and Canadian Solar undertakes no duty to update such information, except as required under applicable law.

Canadian Solar Inc.
Condensed Consolidated Statements of Operations
(In Thousands of U.S. Dollars, except share and per share data and unless otherwise stated)

| | Q4 2007 | Q4 2006 | 12 Months 2007 | 12 Months 2006 |
|--|-------------------|-------------------|-------------------|-------------------|
| Net Revenues: | | | | |
| Net Revenues — Product | 122,952 | 24,371 | 298,291 | 68,144 |
| Net Revenues — Others | 4,507 | — | 4,507 | 68 |
| Total Net Revenues | 127,459 | 24,371 | 302,798 | 68,212 |
| Cost of Revenues: | | | | |
| Cost of Revenues — Product | 109,164 | 24,271 | 275,335 | 55,804 |
| Cost of Revenues — Others | 3,687 | — | 3,687 | 68 |
| Total Cost of Sales | 112,851 | 24,271 | 279,022 | 55,872 |
| Gross Profit | 14,608 | 100 | 23,776 | 12,340 |
| Operating Expenses: | | | | |
| Selling Expenses | 2,971 | 1,233 | 7,531 | 2,909 |
| General and Administrative Expenses | 5,924 | 3,409 | 17,302 | 7,924 |
| Research and Development Expenses | 321 | 315 | 998 | 398 |
| Total Operating Expenses | 9,216 | 4,957 | 25,831 | 11,231 |
| Income/(loss) from operations | 5,392 | (4,857) | (2,055) | 1,109 |
| Other Income (Expenses): | | | | |
| Interest Expenses | (1,423) | (213) | (2,367) | (2,193) |
| Interest Income | 166 | 272 | 562 | 363 |
| Loss on Change in Fair Value of Derivatives | — | — | — | (6,997) |
| Loss on Change in Fair Value of Instruments Related to Convertible Notes | — | — | — | (1,190) |
| Tax Refund for Reinvestment | 925 | — | 925 | — |
| Others — Net | 727 | (77) | 2,443 | (90) |
| Income (Loss) before Taxes | 5,787 | (4,875) | (492) | (8,998) |
| Income Taxes | (249) | (230) | (172) | (432) |
| Net Income (Loss) | 5,538 | (5,105) | (664) | (9,430) |
| Basic Earning (Loss) per Share | 0.20 | (0.21) | (0.02) | (0.50) |
| Basic Weighted Average Outstanding Shares | 27,297,428 | 24,120,000 | 27,283,305 | 18,986,498 |
| Diluted Earning (Loss) per Share | 0.20 | (0.21) | (0.02) | (0.50) |
| Diluted Weighted Average Outstanding Shares | 28,130,379 | 24,120,000 | 27,283,305 | 18,986,498 |

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)
(Unaudited)
Use of Non-GAAP Financial Information

To supplement its condensed consolidated financial statements presented in accordance with GAAP, CSI uses the following measures as defined as non-GAAP financial measures by the SEC: adjusted gross profit, adjusted operating income (loss) and adjusted net income (loss), each excluding share-based compensation and other one-time non-cash charges, expenses or gains, which we refer to as special items. CSI believes that non-GAAP adjusted gross profit, adjusted operating income (loss) and adjusted net income (loss) measures indicate the company's baseline performance before subtracting those charges. In addition, these non-GAAP measures are among the primary indicators used by the management as a basis for its planning and forecasting of future periods. The presentation of these non-GAAP measures is not intended to be considered in isolation or as a substitute for the financial information prepared and presented in accordance with GAAP.

| | Q4 2007 | | | Q4 2006 | | |
|--|--------------|-------------------------|-------------------|--------------|-------------------------|-------------------|
| | Gross Profit | Operating Income (Loss) | Net Income (Loss) | Gross Profit | Operating Income (Loss) | Net Income (Loss) |
| US GAAP Profit (Loss) | 14,608 | 5,392 | 5,538 | 100 | (4,857) | (5,105) |
| Share-based Compensation | 90 | 2,181 | 2,181 | 72 | 2,651 | 2,651 |
| Convertible Note Charge | — | — | — | — | — | — |
| Total Special Items | 90 | 2,181 | 2,181 | 72 | 2,651 | 2,651 |
| Non-US GAAP Profit (Loss) | 14,698 | 7,573 | 7,719 | 172 | (2,206) | (2,454) |
| Non-US GAAP Earning (Loss) per Diluted Share | | | 0.27 | | | (0.10) |
| Adjusted Gross Margin | | | 11.53% | | | 0.71% |
| Adjusted Operating Margin | | | 5.94% | | | (9.05)% |

| | 12 Months 2007 | | | 12 Months 2006 | | |
|--|----------------|-------------------------|-------------------|----------------|-------------------------|-------------------|
| | Gross Profit | Operating Income (Loss) | Net Income (Loss) | Gross Profit | Operating Income (Loss) | Net Income (Loss) |
| US GAAP Profit (Loss) | 23,776 | (2,055) | (664) | 12,340 | 1,109 | (9,430) |
| Share-based Compensation | 253 | 9,200 | 9,200 | 169 | 6,145 | 6,145 |
| Convertible Note Charge | — | — | — | — | — | 8,893 |
| Total Special Items | 253 | 9,200 | 9,200 | 169 | 6,145 | 15,038 |
| Non-US GAAP Profit (Loss) | 24,029 | 7,145 | 8,536 | 12,509 | 7,254 | 5,608 |
| Non-US GAAP Earning (Loss) per Diluted Share | | | 0.31 | | | 0.28 |
| Adjusted Gross Margin | | | 7.94% | | | 18.34% |
| Adjusted Operating Margin | | | 2.45% | | | 10.63% |

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)

| | December 31 2007 | December 31 2006 |
|---|---------------------|---------------------|
| ASSETS | | |
| Current assets: | | |
| Cash and Cash Equivalents | 37,667 | 40,911 |
| Restricted Cash | 1,626 | 825 |
| Accounts Receivable, Net | 58,637 | 17,344 |
| Inventories | 70,921 | 39,700 |
| Value-added Tax Recoverable | 12,247 | 2,281 |
| Advances to Suppliers | 32,847 | 13,484 |
| Prepaid and Other Current Assets | 9,705 | 2,398 |
| Total Current Assets | 223,650 | 116,943 |
| Property, Plant and Equipment, Net | 51,897 | 7,910 |
| Intangible Assets | 136 | 39 |
| Prepaid Lease Payments | 1,205 | 1,103 |
| Deferred Tax Assets — Non-current | 3,958 | 3,639 |
| Long-term Deferred Expenses | 3,296 | — |
| TOTAL ASSETS | 284,142 | 129,634 |
| LIABILITIES AND STOCKHOLDER'S EQUITY | | |
| Current Liabilities: | | |
| Short-term Borrowings | 40,374 | 3,311 |
| Accounts Payable | 8,251 | 6,874 |
| Other Payables | 6,153 | 993 |
| Advances from Suppliers and Customers | 1,962 | 3,225 |
| Income Tax Payable | 143 | 112 |
| Amounts Due to Related Parties | 209 | 149 |
| Other Current Liabilities | 2,121 | 1,191 |
| Total Current Liabilities | 59,213 | 15,855 |
| Accrued Warranty Costs | 3,879 | 875 |
| Provision for Uncertain Tax Issue | 2,279 | — |
| Long-term Debt | 17,866 | — |
| Convertible Notes | 75,000 | — |
| TOTAL LIABILITIES | 158,237 | 16,730 |
| Stockholders' Equity: | | |
| Common Shares | 97,454 | 97,302 |
| Additional Paid-in-capital | 26,534 | 17,334 |
| Accumulated Deficit | (4,060) | (2,783) |
| Accumulated Other Comprehensive Income | 5,977 | 1,051 |
| TOTAL STOCKHOLDERS' EQUITY | 125,905 | 112,904 |
| TOTAL LIABILITIES AND STOCKHOLDERS' EQUITY | 284,142 | 129,634 |

For more information, please contact:

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