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**FORM 8-A**

**UNITED STATES  
SECURITIES AND EXCHANGE COMMISSION  
WASHINGTON D.C. 20549**

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**FOR REGISTRATION OF CERTAIN CLASSES OF SECURITIES  
PURSUANT TO SECTION 12(b) OR (g) OF  
THE SECURITIES EXCHANGE ACT OF 1934**

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**CANADIAN SOLAR INC.**

(Exact name of registrant as specified in its charter)

**Canada**  
(State of incorporation or organization)

**Not Applicable**  
(I.R.S. Employer Identification No.)

**Xin Zhuang Industry Park,  
Changshu, Suzhou  
Jiangsu 215562  
People's Republic of China  
(86-512) 6269-6010**  
(Address, including ZIP Code  
of registrant's of Principal Executive Offices)

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**Securities to be registered pursuant to Section 12(b) of the Act:**

Title of each class  
to be so registered

Name of exchange on  
which each class is to be registered

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**Common Shares, no par value**

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**The NASDAQ Stock Market LLC**

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If this Form relates to the registration of a class of securities pursuant to Section 12(b) of the Exchange Act and is effective pursuant to General Instruction A.(c), check the following box.

If this Form relates to the registration of a class of securities pursuant to Section 12(g) of the Exchange Act and is effective pursuant to General Instruction A.(d), check the following box.

Securities Act registration statement file number to which this form relates: 333-138144

Securities to be registered pursuant to Section 12(g) of the Act: None.

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## INFORMATION REQUIRED IN THE REGISTRATION STATEMENT

Item 1. Description of Registrant's Securities to be Registered.

The description of the securities being registered is set forth under "Description of Share Capital" in the registrant's Registration Statement on Form F-1 (Registration No. 333-138144), originally filed with the Securities and Exchange Commission on October 23, 2006, as amended, including any form of prospectus contained therein pursuant to Rule 424(b) under the Securities Act of 1933, which description and prospectus are incorporated herein by reference.

Item 2. Exhibits

Not applicable.

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SIGNATURE

Pursuant to the requirements of Section 12 of the Securities Exchange Act of 1934, the registrant has duly caused this Registration Statement to be signed on its behalf by the undersigned, thereunto duly authorized.

CANADIAN SOLAR INC.

Dated: October 24, 2006

By: /s/ Shawn Qu

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Shawn Qu

Chairman, President and Chief Executive Officer