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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 April 2017

Commission File Number: 001-33107

CANADIAN SOLAR INC.

545 Speedvale Avenue West Guelph, Ontario, Canada N1K 1E6

(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 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): 0

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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: April 18, 2017

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EXHIBIT INDEX

Exhibit 99.1 Press Release

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