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 May 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 ⊠ 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):

Table of Contents

CANADIAN SOLAR INC.

Form 6-K

TABLE OF CONTENTS

Signature

Exhibit Index

Exhibit 20.1 - Notice of Annual Meeting of Shareholders

Exhibit 20.2 - Management Information Circular

Table of Contents

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.

/s/ Shawn (Xiaohua) Qu By: Name: Shawn (Xiaohua) Qu Title: Chairman, President and

Chief Executive Officer

Date: May 31, 2017

Table of Contents

EXHIBIT INDEX

Exhibit 20.1 - Notice of Annual Meeting of Shareholders

Exhibit 20.2 - Management Information Circular

CANADIAN SOLAR INC. 4100 — 66 Wellington Street West — TD Bank Tower Toronto, Canada M5K 1B7

NOTICE OF ANNUAL MEETING OF SHAREHOLDERS

NOTICE IS HEREBY GIVEN that an annual meeting of shareholders (*Meeting*) of Canadian Solar Inc. (*Corporation*) will be held at Kirkland & Ellis International LLP, 11th Floor, HSBC Building, Shanghai IFC, 8 Century Avenue, Pudong New District, Shanghai 200120, People's Republic of China, on Wednesday, June 28, 2017 at 4:00 p.m. (local time) for the following purposes:

- (a) to receive the audited consolidated financial statements of the Corporation for the financial year ended December 31, 2016, together with the auditors' report thereon and the notes thereto;
- (b) to elect directors of the Corporation;
- (c) to appoint Deloitte Touche Tohmatsu Certified Public Accountants LLP as the auditors of the Corporation and to authorize the directors of the Corporation to fix their remuneration; and
- (d) to transact such other business as properly may be brought before the Meeting or any adjournment thereof.

The matters to be dealt with at the Meeting are described in the management information circular of the Corporation accompanying this Notice (*Circular*).

Shareholders are entitled to appoint a proxy to attend and act for and on behalf of them at the Meeting. Shareholders who are unable to attend the Meeting in person and who wish to ensure that their common shares are voted at the Meeting are requested to complete, sign and return the accompanying form of proxy in accordance with the instructions set out therein and in the Circular.

DATED: May 26, 2017.

BY ORDER OF THE BOARD OF DIRECTORS

/s/ Shawn (Xiaohua) Qu
Shawn (Xiaohua) Qu
Chairman of the Board, President and
Chief Executive Officer

MANAGEMENT INFORMATION CIRCULAR

INFORMATION INCORPORATED BY REFERENCE

Certain information contained in this management information circular (*Circular*) has been incorporated by reference from the annual report on Form 20-F (*Form 20-F*) of Canadian Solar Inc. (*Corporation*) for the year ended December 31, 2016 which has been filed with the United States Securities and Exchange Commission and is attached hereto.

VOTING INFORMATION

Solicitation of Proxies

This Circular is furnished in connection with the solicitation of proxies by management of the Corporation for use at the annual meeting of shareholders of the Corporation (*Meeting*) to be held at the time and place and for the purposes set forth in the notice of meeting accompanying this Circular (*Notice*).

The solicitation of proxies will be primarily by mail, but proxies may also be solicited by telephone, in writing or in person by the directors, officers and regular employees of the Corporation. The Corporation may also use the services of a proxy solicitation firm. The cost of the solicitation of proxies will be borne by the Corporation.

Appointment of Proxies

The individuals named in the accompanying form of proxy are directors and/or officers of the Corporation.

A shareholder has the right to appoint a person (who need not be a shareholder) other than the individuals named in the accompanying form of proxy to be the proxy of the shareholder at the Meeting and may exercise this right either by inserting that person's name in the blank space provided in the accompanying form of proxy or by completing another proper form of proxy. To be effective, completed proxies must be received by Computershare by mail, in the enclosed return envelope, at least 48 hours (excluding Saturdays, Sundays and holidays) before the time of the Meeting or any adjournment thereof or be deposited with the chairman of the Meeting before the commencement of the Meeting or any adjournment thereof.

Revocation of Proxies

Proxies given by shareholders for use at the Meeting may be revoked at any time before their use. In addition to revocation in any manner permitted by law, a proxy may be revoked by depositing an instrument in writing signed by the shareholder or by the shareholder's attorney duly authorized in writing with Computershare by mail or hand delivery to Computershare, 480 Washington Boulevard, Jersey City, New Jersey, 07310-1900, United States of America, Attention: Proxy Department, at least 48 hours (excluding Saturdays, Sundays and holidays) before the time of the Meeting or any adjournment thereof or be deposited with the chairman of the Meeting before the commencement of the Meeting or any adjournment thereof.

Voting and Discretion of Proxies

The common shares represented by the proxies solicited by management pursuant to this Circular will be voted in accordance with the directions contained therein.

If no directions are contained therein, the common shares will be voted FOR:

- (a) the election of each of the five nominees for election as director named in the Circular; and
- (b) the appointment of Deloitte Touche Tohmatsu Certified Public Accountants LLP as the auditors of the Corporation and the authorization of the directors of the Corporation to fix their remuneration.

The accompanying form of proxy confers discretionary authority on the persons named therein in respect of amendments or variations to the matters referred to in this Circular and in respect of other matters that may properly come before the Meeting or any adjournment thereof. Management of the Corporation knows of no such amendments or variations or other matters that may properly come before the Meeting but, if any such amendments or variations or other matters properly come before the Meeting, the persons named in the accompanying form of proxy will vote thereon in accordance with their best judgement.

Voting Shares

Shareholders of record on May 26, 2017 are entitled to receive notice of and vote at the Meeting. The authorized capital of the Corporation consists of an unlimited number of common shares. As of May 26, 2017, there were 58,003,183 common shares outstanding. All of the outstanding common shares may be voted at the Meeting. Shareholders are entitled to one vote for each common share held by them.

Principal Shareholders

To the knowledge of the directors and executive officers of the Corporation, the only persons who beneficially own, directly or indirectly, or exercise control or direction over voting securities of the Corporation carrying 5% or more of the voting rights attached to any class of voting securities of the Corporation are set out in Item 6E "Share Ownership" of the Form 20-F.

Required Approval

All matters to be dealt with at the Meeting require the approval of a majority of the votes cast on the matter.

BUSINESS OF MEETING

Consolidated Financial Statements

The audited consolidated financial statements of the Corporation for the financial year ended December 31, 2016, together with the auditors' report thereon and the notes thereto, accompany this Circular and will be submitted to the Meeting. Receipt of the audited consolidated financial statements will not constitute approval or disapproval of any matters referred to therein.

Election of Directors

The articles of the Corporation require that the Corporation have a minimum of three directors and a maximum of ten directors. The articles of the Corporation provide that the actual number of directors within the specified minimum and maximum may be determined from time to time by resolution of the directors. The board of directors of the Corporation (*Board*) has by resolution fixed the number of directors of the Corporation to be elected at the Meeting at five. The term of office of each of the current directors will expire at the close of the Meeting. The term of office of each of the directors elected at the Meeting will expire at the close of the annual meeting of shareholders following the Meeting.

The Corporation is governed by the *Canada Business Corporations Act* (*CBCA*). The CBCA provides that at least 25% of the directors of the Corporation must be *resident Canadians* (generally, Canadian citizens ordinarily resident in Canada) and that the directors of the Corporation may not transact business at a meeting of the directors unless at least 25% of the directors present at the meeting are resident Canadians.

Management of the Corporation proposes to nominate the individuals named below for election as directors of the Corporation. The Corporation has not received notice, and management of the Corporation is not aware, of any other nominees for election as directors of the Corporation. Shareholders may vote for all of the nominees named below, vote for one or more of them and withhold their vote for others of them, or withhold their vote for all of them.

Under the Corporation's Corporate Governance Guidelines, any nominee for election as a director of the Corporation in an uncontested election who receives, from common shares voted in person or by proxy at the Meeting, a greater number of shares withheld than shares voted in his favour for election as a director must promptly tender his resignation to the Chairman of the Board, such resignation to take effect on acceptance by the Board. The Nominating and Corporate Governance Committee of the Board will expeditiously consider the director's offer to resign and make a recommendation to the Board on whether to accept it. In considering the director's offer to resign and making its recommendation, the Nominating and Corporate Governance Committee will evaluate the best interests of the Corporation and its shareholders and will consider a number of factors, including alternatives to cure the underlying cause of the votes withheld, the experience/expertise of the director, the overall composition of the Board and whether accepting the resignation would cause the Corporation to fail to satisfy any listing or regulatory requirement. The Board will have 90 days after the date of the Meeting to make a final decision and announce it by way of press release. A director who tenders his resignation may not participate in the deliberations of the Nominating and Corporate Governance Committee or the Board on whether to accept his resignation offer.

Director Nominees

The following table sets out the name and city, province or state and country of residence of each individual proposed to be nominated for election as a director of the Corporation at the Meeting and his current position with the Corporation. It also sets out information with respect to the individual's equity ownership, current membership on Board committees, other public board memberships held in the past five years, areas of expertise/experience and Board and Board committee meeting attendance during the 12 months ended December 31, 2016.

Additional information can be found in Item 6A "Directors and Senior Management", Item 6C "Board Practices — Committees of the Board of Directors" and Item 6E "Share Ownership" of Form 20-F.



Name: Shawn (Xiaohua) Qu

Age: 53

Municipality of residence: Suzhou, People's Republic of China

Director since: 2006

Non-independent

Dr. Qu is the founder of the Corporation and has served as its Chairman, President and Chief Executive Officer since it became a public company in October 2006. He is a visiting professor at Tsinghua University, one of the most prestigious universities in China. Dr. Qu holds a Ph.D. in Material Science from the University of Toronto, a Master of Science degree in Physics from University of Manitoba and a Bachelor of Science degree in Applied Physics from Tsinghua University.

Areas of expertise/experience

Strategic LeadershipInternational OperationsTechnology

Other public company directorships in the past five years

None

Board/Committee Membership	Attendance	
Board	7 of 7	100%
Research and Development		
Committee	3 of 3	100%

Equity Ownership(1)

Common Shares		Options	Restricted Share Units (RSUs)
	13,522,032(2)	89,281(2)	168,424(2)



Name: Robert McDermott

Age: 75

Municipality of residence: Toronto, Ontario, Canada

Director since: 2006

Independent Resident Canadian Mr. McDermott has served as lead independent director of the Corporation since it became a public company in October 2006. He is a corporate director and consultant. He is also counsel to McMillan LLP, a business law firm based in Canada, where he was formerly a partner practising business law. Mr. McDermott holds a Juris Doctor degree from the University of Toronto and a Bachelor of Arts degree from the University of Western Ontario. He is Chair of the Nominating and Corporate Governance Committee.

Areas of expertise/experience

• Legal/Regulatory • Capital Markets

• Corporate Governance • Executive Compensation

Other public company directorships in the past five years

None

Board/Committee Membership	Attendance	
Board	7 of 7	100%
Audit Committee	13 of 13	100%
Compensation Committee	6 of 6	100%
Nominating and Corporate		
Governance Committee	4 of 4	100%

Equity Ownership⁽¹⁾

		Restricted Share Units
Common Shares	Options	(RSUs)
5,000	69,900	16,082



Name: Lars-Eric Johansson

Age: 70

Municipality of residence: London, The United Kingdom

Director since: 2006

Independent

Mr. Johansson has served as an independent director of the Corporation since it became a public company in October 2006. He is President and Chief Executive Officer of Ivanhoe Mines Limited (formerly known as Ivanplats Inc. and Ivanhoe Nickel & Platinum Ltd.), a Canadian mining company listed on the Toronto Stock Exchange. He is the former Executive Vice President and Chief Financial Officer of Kinross Gold Corporation and before that Executive Vice President and Chief Financial Officer of Noranda Inc., both Canadian mining companies dually listed on the Toronto Stock Exchange and the New York Stock Exchange. Mr. Johansson holds an MBA degree from the Gothenburg School of Economics in Sweden. He is Chair of the Audit Committee.

Areas of expertise/experience

Audit/Accounting
 Corporate Finance
 Risk Management

Other public company directorships in the past five years

None

Board/Committee Membership	Attendance	
Board	6 of 7	85%
Audit Committee	13 of 13	100%
Compensation Committee	5 of 6	83%
Nominating and Corporate		
Governance Committee	3 of 4	75%

Equity Ownership(1)

	Restricted Share Units	
Common Shares	Options	(RSUs)
5,000	46,600	16,082



Name: Harry E. Ruda

Age: 58

Municipality of residence: Toronto, Ontario, Canada

Director since: 2011

Independent Resident Canadian Dr. Ruda has served as an independent director of the Corporation since July 2011. He is the Director of the Centre for Advanced Nanotechnology, the Stanley Meek Chair in Nanotechnology and Professor of Applied Science and Engineering at the University of Toronto. His research interests focus on the fabrication and modeling of semiconductor nanostructures with applications in the fields of optoelectronics, energy and sensing. Dr. Ruda is a Fellow of the Royal Society of Canada and holds a PhD in Semiconductor Physics from the Massachusetts Institute of Technology. He is Chair of the Research and Development Committee.

Areas of expertise/experience

• Semiconductor Device Engineering

• Strategy

• Research and Development

• Risk Management

Other public company directorships in the past five years

None

Board/Committee Membership	Attendance	
Board	6 of 7	86%
Audit Committee	13 of 13	100%
Compensation Committee	6 of 6	100%
Nominating and Corporate Governance		
Committee	4 of 4	100%
Research and Development Committee	3 of 3	100%

Equity Ownership(1)

			Restricted Share Units
Common Shares		Options	(RSUs)
	Nil	23,300	16,082



Name: Andrew (Luen Cheung) Wong

Age: 59

Municipality of residence:

Hong Kong Special Administrative Region of the People's Republic of China

Director since: 2014

Independent

Mr. Wong has served as an independent director of the Corporation since August 2014. He is the Vice-Chairman of the board of directors of Huazhong In-Vehicle Holdings Company Limited and a director of China CITIC Bank Corporation Limited, both companies listed on The Stock Exchange of Hong Kong. Previously, he was a director of Intime Retail (Group) Co. Ltd. and China Minseng Bank, both companies listed on The Stock Exchange of Hong Kong Limited. He also has held senior positions at the Royal Bank of Canada, the Union Bank of Switzerland, Citicorp International Limited (a merchant banking arm of Citibank), Hang Seng Bank Limited and DBS Bank Limited, Hong Kong. Mr. Wong holds a Bachelor of Social Sciences (Honours) degree from the University of Hong Kong and a Master of Philosophy degree from Hong Kong Buddhist College. He is Chair of the Compensation Committee.

Areas of expertise/experience

• Corporate Finance

• Capital Markets

• China Operations

Strategy

Other public company directorships in the past five years

Huazhong In-Vehicle Holdings Company Limited China CITIC Bank Corporation Limited Intime Retail (Group) Co. Ltd. China Minseng Bank

Board/Committee Membership	Attendance	
Board	7 of 7	100%
Audit Committee	12 of 13	92%
Compensation Committee	6 of 6	100%
Nominating and Corporate		
Governance Committee	4 of 4	100%

Equity Ownership(1)

		Restricted Share Units
Common Shares	Options	(RSUs)
	Nil Nil	16,082

Notes:

(1) As of May 1, 2017.

(2) Includes common shares, options and RSUs held by Hanbing Zhang, the wife of Dr. Qu.

Appointment of Auditors

Management of the Corporation proposes that Deloitte Touche Tohmatsu Certified Public Accountants LLP (*DTT LLP*) be reappointed as auditors of the Corporation and that the directors of the Corporation be authorized to fix their remuneration. DTT LLP and its predecessor, Deloitte Touche Tohmatsu CPA Ltd., have been auditors of the Corporation since December 2005.

Other Business

Management of the Corporation knows of no other matters that may properly come before the Meeting.

STATEMENT OF EXECUTIVE COMPENSATION

General

See Item 6B "Compensation of Directors and Executive Officers — Cash Compensation" and "Compensation of Directors and Executive Officers — Share-based Compensation" and Item 6C "Board Practices — Director Agreements" and "Board Practices — Indemnification of Directors and Officers" of Form 20-F.

Employment and Management Contracts

See Item 6C "Board Practices — Employment Agreements" of Form 20-F.

Compensation of Directors

See Item 6B "Compensation of Directors and Executive Officers — Cash Compensation" and Item 6C "Board Practices — Director Agreements" and "Board Practices — Indemnification of Directors and Officers" of Form 20-F.

RELATED PARTY TRANSACTIONS

See Item 7 "Major Shareholders and Related Party Transactions" of Form 20-F.

INTEREST OF INSIDERS IN MATERIAL TRANSACTIONS

See Item 6C "Board Practices — Interested Transactions" and Item 7B "Major Shareholders and Related Party Transactions - Related Party Transactions" of Form 20-F.

MATERIAL CONTRACTS

See Item 10C "Material Contracts" of Form 20-F.

OTHER MATTERS

Shareholder Proposals

Shareholders must submit any shareholder proposal that they wish to be considered at the annual meeting of shareholders of the Corporation in respect of the year ending December 31, 2017 to be held in 2018 no later than February 25, 2018. All shareholder proposals must comply with Section 137 of the Canada Business Corporations Act.

Glossary

The term **shareholder** refers to a registered holder of common shares. The term **common shares** refers to common shares in the capital stock of the Corporation, excluding any restricted shares, which are subject to restrictions on voting, dividend rights and transferability.

Date of Information

Except where noted, all information in this Circular is as of May 26, 2017.

APPROVAL OF CIRCULAR BY BOARD

The contents and the sending of this Circular have been approved by the Board.

 ${f DATED}$ at Toronto, Canada this 26^{th} day of May, 2017.

BY ORDER OF THE BOARD OF DIRECTORS

/s/ Shawn (Xiaohua) Qu Shawn (Xiaohua) Qu Chairman of the Board, President and Chief Executive Officer