



Investor Presentation

April 16, 2015

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Company Description

A rapidly growing total solution provider with one of the largest global solar project development pipelines

- Founded in Ontario, 2001
- Listed on NASDAQ (CSIQ) in 2006
- Over 8,000 employees globally
- Presence in 18 countries / territories
- One of the world's largest solar module suppliers
- Proven project development track record
- #2 solar energy business by revenue

Module manufacturing business highlights

- 2014 shipments at 3.1 GW
- 2015 shipments estimated at 4.0 4.3 GW
- Industry leading cost structure
- Strong bankable brand with global reach

• Sales office Manufacturing facility Total Solutions contracted / late stage projects

Total solar energy solutions business highlights

- Development and construction of utility-scale solar plants
- EPC services
- Solar plants totalling 520 MW, developed, built and connected to the grid since 2011
- Rooftop solar system kits



Global Solar Energy Business

8.5 **GW**_{DC}

total project development pipeline

2.4 GW_{DC}

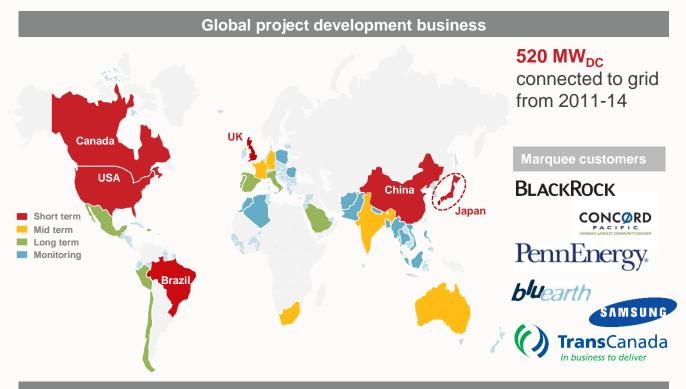
total contracted / latestage project pipeline⁽¹⁾

$> 6.1 \, \text{GW}_{\text{DC}}$

total early-mid stage development pipeline⁽²⁾

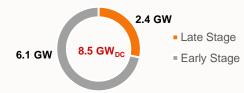
C\$900 million

revenue expected for Canadian project pipeline over next 6-12 months

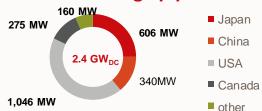


Pipeline

Total project pipeline



Contracted/late-stage pipeline



Source: Company information as of March 5, 2015

⁽²⁾ Early to mid-stage of development: includes projects under assessment for co-development and acquisition, as well as projects being self-developed where the land has been identified or secured, and an energy off-take agreement is in place or there is a reasonable probability that it can be secured. Includes Recurrent assets which are subject to closing.



⁽¹⁾ Late-stage project and EPC contract pipeline nearly all projects have an energy off-take agreement and are expected to be built within the next 2-3 years. Projects are subject to cancellation or delays due to various risk factors, including failure to secure all the permits, failure to secure grid connection, technical problems during construction. Includes Recurrent assets which are subject to closing.

Leading PV Module Manufacturer

3.0 **GW**_{DC}

total module manufacturing capacity including 2.5 GW in China

Among top 3 largest

module manufacturer globally

39% YoY growth

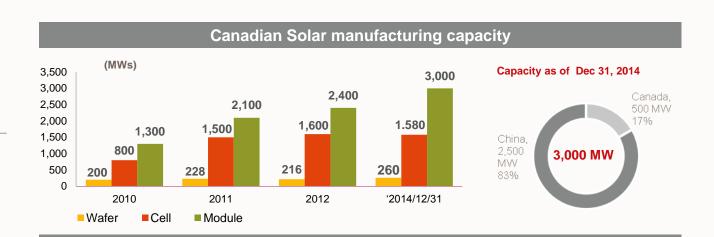
in module shipments from 2013 – 2014

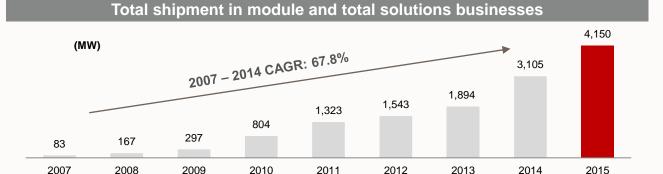
\$0.49/W module cost

competitive cost structure

Bankable brand

established reputation for high quality products





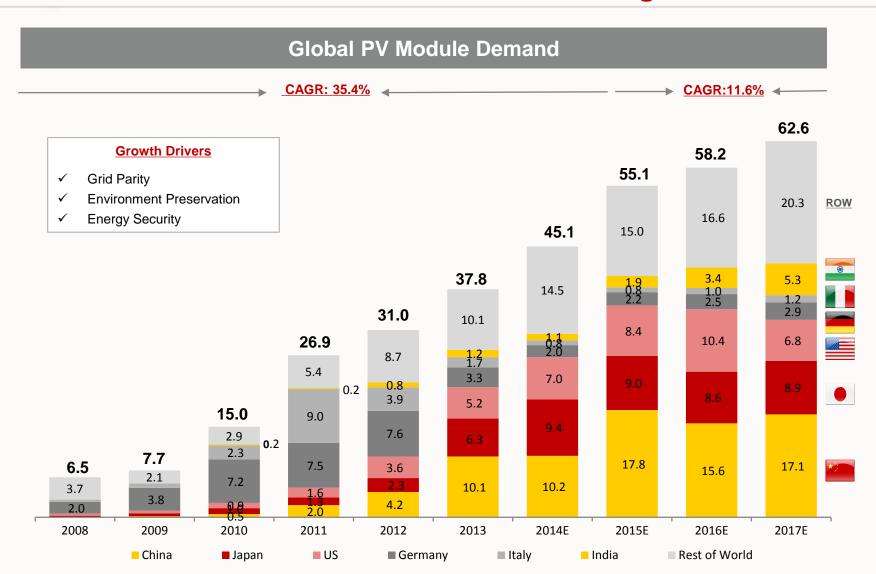


Investment Highlights

- 1. Beneficiary of strong secular growth in the solar sector
- 2. Rapidly growing and profitable energy business
- 3. Large and attractive solar project pipeline well suited to launch a YieldCo
- 4. Industry Leading cost structure
- 5. Global footprint with diversified and international customer base
- 6. Management team and Board with proven track record of execution



Annual PV Installation is Poised to Breakthrough 50GW

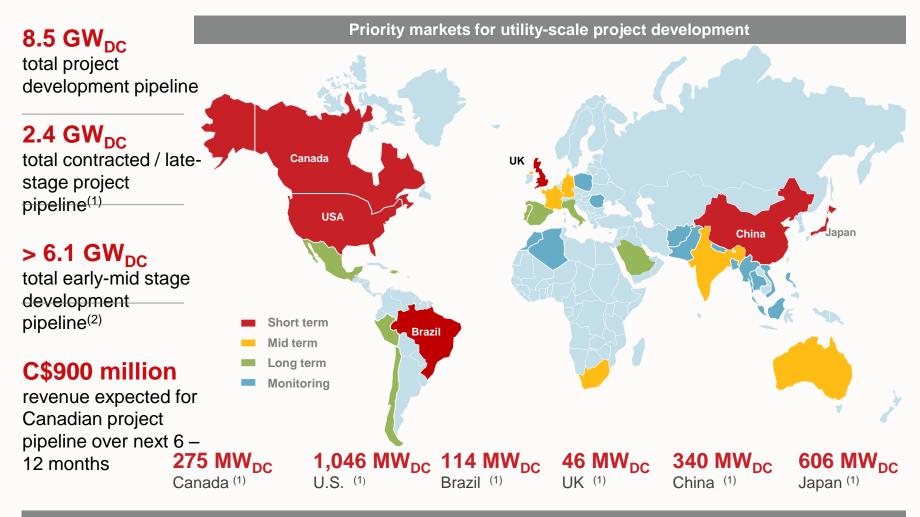


Source: Global PV module demand assumptions from Solarbuzz, IHS.

Note: (1) China portion of 2014 and 2015 demand based on National Energy Administration guidelines



Project Development Business With Globally Diversified Pipeline



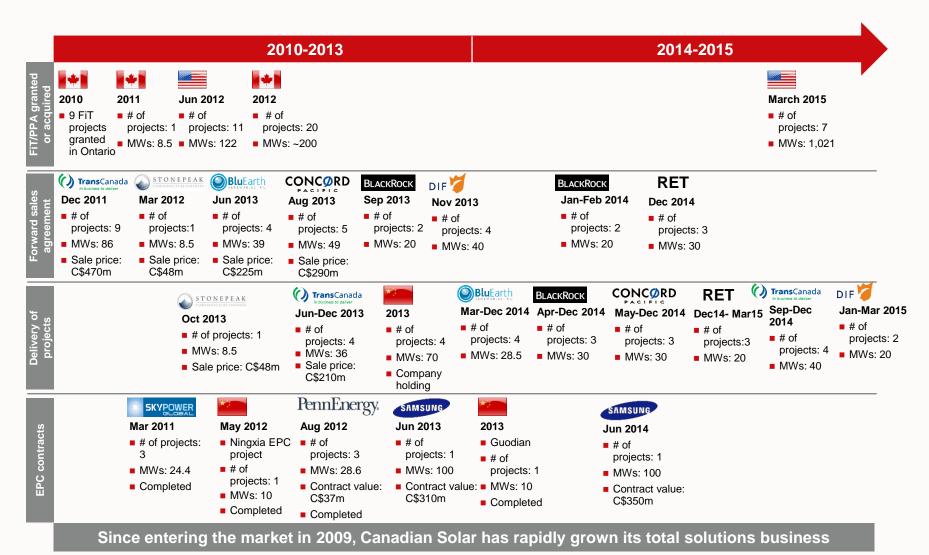
Canadian Solar has a globally diversified pipeline of contracted / late stage projects in low risk geographies

Source: Company information as of March 5, 2015

Note: (1) Late-stage project and EPC contract pipeline includes Recurrent projects, nearly all projects have an energy off-take agreement and are expected to be built within the next 2-3 years. Some projects may not reach completion due to failure to secure permits or grid connection, among other risk factors.

⁽²⁾ Early to mid-stage of development: includes Recurrent projects and projects under assessment for co-development and acquisition, as well as projects being self-developed where the land has been identified or secured, and an energy off-take agreement is in place or there is a reasonable probability that it can be secured.

Proven Track Record Monetizing Utility-Scale Solar Projects



Source: Company information

Note: All MW shown on this slide are in MW_{AC}



Leading Solar Energy Developer In Canada

275 MW_{DC}

project backlog in Ontario⁽¹⁾

336 MW_{DC}

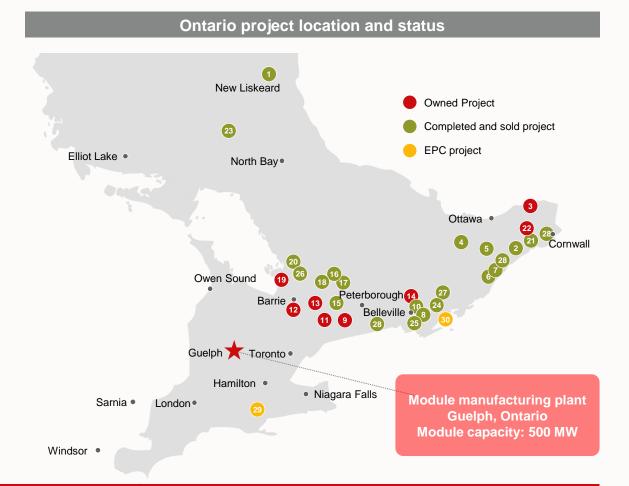
projects completed and delivered to end buyers⁽²⁾

343.4 MW_{DC}

EPC contracts(3)

500 MW_{DC}

module manufacturing facility



Canadian Solar expects to generate approximately C\$900 mn in revenue over the next 6 – 12 months from its owned projects and EPC backlog in Ontario with target gross margin of ~15%-20%

Source: Company information as of March 5, 2015

Note: Construction schedules are subject to change without notice.

(1) Net of 89MW of partially completed construction that was recognized into revenue in prior quarters, as of end of Q4 2014

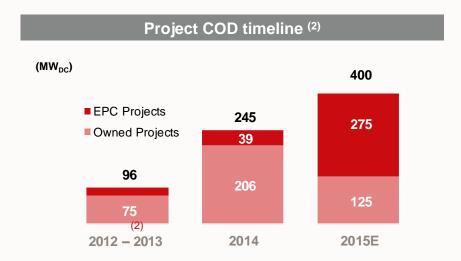
(2) Projects completed from 2011 to the end of December 2014, does not include any partially completed projects

(3) Includes projects that have been completed and delivered



Leading Solar Energy Developer In Canada (Cont´d)

Canadian Solar developed	MW DC	Status	Expected COD	End Buyer
a Liskeard 1	14.0	SALE CLOSED IN 4Q14	-	TransCanada
b Liskeard 3 and 4	28.0	SALE CLOSED IN 3Q14	-	TransCanada
William Rutley (1)	13.9	SALE CLOSED IN 3Q14	-	TransCanada
Alfred	13.6	Engineering	2015 Q4	TBD
Mississippi Mills	14.1	SALE CLOSED in 4Q13	-	TransCanada
Burritts Rapids	9.8	SALE CLOSED in 3Q13	-	TransCanada
Brockville 1	13.2	SALE CLOSED in 2Q13	-	TransCanada
Brockville 2	12.5	SALE CLOSED in 3Q13	-	TransCanada
Foto Light LP	14.0	SALE CLOSED IN 4Q14	-	RET
Illumination LP	14.0	Engineering	2015 Q4	DIF
D Little Creek	11.9	SALE CLOSED in 1Q14	-	BluEarth
1 Gold Light LP	14.0	In Construction	2015 Q1	DIF
2 Beam Light LP	14.0	Engineering	2015 Q4	DIF
3 Earth Light LP	14.0	Engineering	2015 Q4	Concord
4 Lunar Light LP	14.0	Engineering	2015 Q3	BluEarth
5 Discovery Light LP	12.6	SALE CLOSED IN 4Q14	-	RET
6 Sparkle Light LP	14.0	SALE CLOSED IN 4Q14	-	BluEarth
7 GlenArm LP	14.0	SALE CLOSED IN 1Q15	-	DIF
B Good Light LP	14.0	SALE CLOSED IN 3Q14	-	BluEarth
9 Aria LP	14.8	Engineering	2015 Q4	Concord
0 Ray Light LP	14.0	SALE CLOSED IN 4Q14	-	Concord
1 Mighty Solar LP	14.0	SALE CLOSED IN 3Q14	-	Concord
2 City Lights LP	14.0	In Construction	2015 Q1	RET
3 Highlight (Val Caron)	14.0	SALE CLOSED IN 2Q14	-	Concord
4 Taylor Kidd	14.0	SALE CLOSED IN 3Q14	-	Black Rock
5 Demorestville	14.0	SALE CLOSED IN 3Q14	-	Black Rock
6 Oro-Medonte 4	11.5	SALE CLOSED IN 4Q14	-	Black Rock
7 Westbrook	14.0	SALE CLOSED IN 3Q14	-	Black Rock
Total CSIQ Developed (SALE in 2015)	127.0			
3 rd Party Developed (EPC)	MW DC	Status		End Buyer
8 Penn Energy	39	DELIVERED	-	Penn Energy
9 Samsung Phase I	133.6	In Construction	2015 Q2	Grand Renewable
0 Samsung Phase II	140.0	In Construction	2015 Q3	Kingston Solar Li
Total EPC Projects	312.6			
EPC MW Recognized into Revenue in Prior Quarters	164.0			



Projects using percent of completion accounting

Projects	MW _{DC}	Completed %	Completed MW	Remaining MW _{DC}
Samsung Phase I	133.6	86.2%	115.1	18.5
Samsung Phase II	141.0	7.7%	10.9	130.1
Total	274.6	45.9%	126.0	148.6

Source: Company information as of March 5, 2015

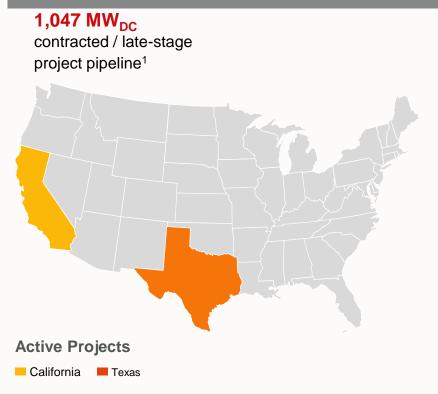
Note: Construction schedules are subject to change without notice.

(1) Revenue recognition may differ from COD timeline

(2) Includes Canadian Solar 1 and William Rutley with COD in 2012, as well as Fort Williams and First Nations II where Canadian Solar acted as EPC in 2012

United States Utility-Scale Project Pipeline

Total Solutions Business – U.S. (including Recurrent Assets)



Late Stage Pipeline	MW DC	State	Status	Expected COD
Gasna 13P LLC (Oro Loma)	26.0	CA	NTP in 2015	2015
Astoria	131.0	CA	NTP in 2015	2016
Astoria 2	100.0	CA	NTP in 2015	2016
Project A	78.0	CA	NTP in 2015	2016
Mustang	134.0	CA	NTP in 2015	2016
Tranquility	258.0	CA	NTP in 2015	2016
Project B	200.0	TX	NTP in 2015	2016
Project C	120.0	CA	NTP in 2015	2016
Total	1,047			

Source: Company information as of March 5, 2015 Note: Permitting and construction schedules are subject to delays and the target commercial operation date (COD) may change without notice

1. Recurrent acquisition is expected to close before the end of the first quarter of 2015

Japan Utility-scale Solar Project Pipeline

Total Solutions business – Japan

606 MW_{DC} (1)

late-stage project pipeline

500 MW_{DC} (1)

early stage assessment projects



- Land lease secured by up-front cash deposit
- Project size 12.5 MWp
- Expected yield 1,130 kWh/kWp
- Connection voltage 110 kV
- Substation on site
- FiT 40 JPY/kWh
- METI and utility permits obtained

Late Stage Utility-Scale Pipeline

MW DC	Average FIT (Yen/kWh)	Expected COD
1.2	40	Connected
80	36	2015
244.6	37	2016
279.8	37	2017
605.6		

Other relevant information

- √ Secured grid-capacity for 262MW of projects
- Approximately 100MW in construction or near ready to build

Growth in System Kits revenue (rooftop)

2009	\$77m	\$141m	
market entry	2012 revenue	2013 revenue	

Source: Company information as of March 5, 2015

Note: (1) Some of these projects may not progress to completion, however the Company broadly expects the Japanese development pipeline to continue growing

(2) Expected COD are tentative estimates subject to change, due to delays in securing all the necessary permits, technical problems during construction, among other risk factors.



China Utility-scale Solar Project Pipeline

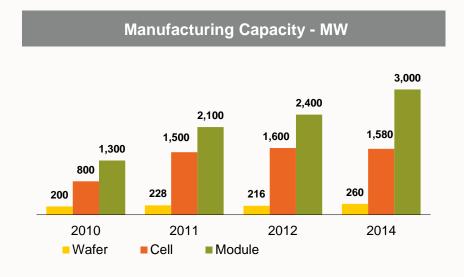


	Province	2015–16 Late Stage Project Opportunity (MW _{DC})	Feed In Tariff
1	Jiangsu	120 MW	RMB 1.0/kWh RMB 0.15/kWh (Prov.)
2	Shanxi	160 MW	RMB 0.95
3	Yunnan	10 MW	RMB 0.90
4	Sichuan	20 MW	RMB 0.90
5	Xinjiang	30 MW	RMB 0.90 to 0.95/kWh
	Total	340 MW _{DC}	

Source: Company information as of March 5, 2015

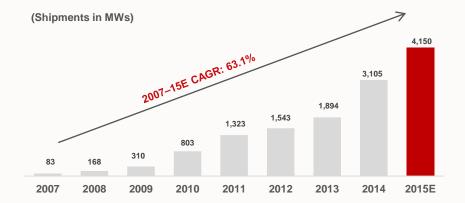


A Leading Vertically Integrated Solar Energy Provider



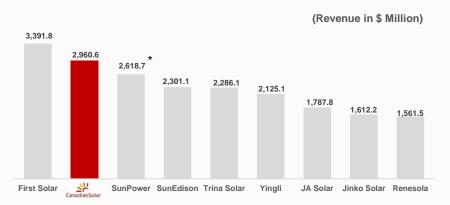
- Module capacity currently at 3,000 MW per year. Plan to add 500 MW in the first half of 2015, with total capacity reaching 3.5 MW
- Cell capacity expansion in Funning, Jiangsu Province, in JV with GCL. Phase I targets net capacity increase of 80 MW to a total of 1,580 MW. Plan to increase to 400 MW in the first half of 2015.
- In-house cell capacity targeted at 50% of module shipments
- Wafer capacity to reach 400 MW in 2015

Total Module Shipments - MW



Source: Company information

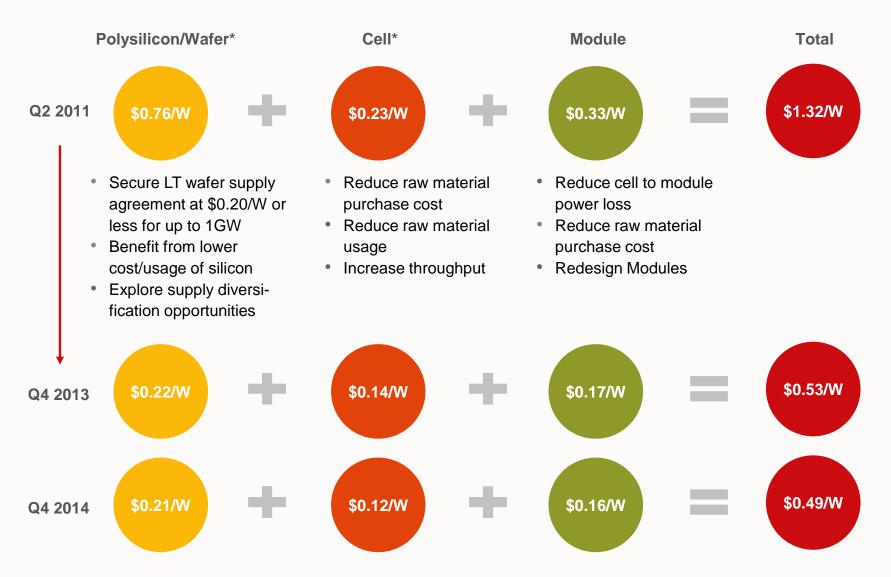
#2 Solar Energy Solutions Company by Revenue in 20141



1. FactSet Data; * Non-Gaap



Industry-Leading Manufacturing Cost Structure



Source: Company information, * Includes purchased wafers and cells.



Global Footprint With Diversified Customer Base

> 9.0 GW

cumulative modules sold to date

Customers in over 70 countries

with offices in 18 countries

Established projects business

currently delivering services in 6 countries





Source: Company information

High-quality Product Portfolio

Commercial & utility-scale

MaxPower ELPS CS6P-MM CS6P-M CS6P-P

Internat. environmental & quality management standards

- ISO 9001:2008 Quality Management System
- QC080000:2005 HSPM Hazardous Substance **Process Management**
- ISO 14001 Environment Management System
- ISO TS16949:2009 First PV manufacturer to adopt ISO TS16949 for PV quality control
- OHSAS 18001 Occupational Health and Safety

Residential

ELPS All-black **ELPS** CS6V-MM CS6V-M CS5A-M CS5A-M CS6A-MM

International testing standards

- IEC 61215 & IEC 61730, UL 1703 & UL 790 & CEC
- CE conformity, MCS (EN45011)
- REACH Compliance

- **IEC 61215**
- **IEC 61730**
- IEC 61701: **Salt Mist Corrosion**
- **Ammonia Resistance**
- PID free
- **REACH Compliant**

* Four busbar modules



CS6X-P













































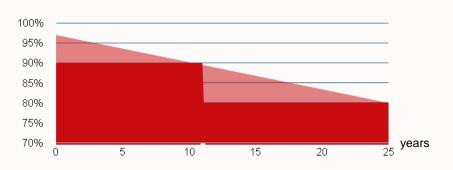


Bankable Product With Insurance Backed Warranty

Product workmanship and power output performance...

- 10-year product workmanship warranty
- 25-year power output performance guarantee
 - > First year, guarantee of no less than 97% output
 - Second year through 24th year, decline of no more than 0.7% per annum
 - By end of year 25 the actual power output will be no less than 80% of the module's labeled power output

Value from linear power output guarantee – % of name plate rate



...backed by an investment grade insurance policy

- Insurance policy matches Canadian Solar's standard warranty terms
- Coverage starts immediately and lasts for 25 years
- Covers worldwide modules sales from all CSI subsidiaries to most countries
- The policy is non-cancelable and allows third party bankruptcy rights (satisfying investors/ lenders requirements)
- Insurance purchased underwritten by:
 - International Insurance Company of Hannover Limited AM Best Rating: A XV. www.inter-hannover.com
 - RSUI Indemnity Company AM Best Rating: A XII. www.rsui.com



Experienced Board & Senior Management

	Name / Title	Work Experience
	Dr. Shawn Qu Chairman, President & CEO (Director)	 Director & VP at Photowatt International S.A. Research scientist at Ontario Power Generation Corp.
25	Michael Potter SVP and Chief Financial Officer	 Corporate Vice President and CFO of Lattice Semiconductor Corp. Senior Vice President and CFO of NeoPhotonics Corp.
	Yan Zhuang SVP and Chief Commercial Officer	 Head of Asia of Hands-on Mobile, Inc. Asia Pacific regional director of marketing planning and consumer insight at Motorola Inc.
	Guangchun Zhang SVP and Chief Operating Officer	 Vice President for R&D and Industrialization of Manufacturing Technology at Suntech Power Holdings Centre for Photovoltaic Engineering at the University of New South Wales and Pacific Solar Pty. Limited.
	Robert McDermott Chairperson of the Corporate Governance, Nominating and Compensation Committees	 Partner with McMillan LLP, a business and commercial law firm Director and senior officer of Boliden Ltd.
nced Directors	Lars-Eric Johansson Chair of the Audit and member of Governance, and Compensation Committees	 CEO of Ivanhoe Nickel & Platinum Ltd. Chairperson of the Audit Committee of Harry Winston Diamond
Experienced Independent Dire	Dr. Harry E. Ruda Chair of Technology and member of the Audit, Governance, Compensation Committees,	 Director of the Centre for Advanced Nanotechnology, Stanley Meek Chair in Nanotechnology and Prof. of Applied Science and Engineering at the University of Toronto, Canada
=	Andrew Wong Member of the Audit, Corporate Governance, Compensation Committees	 Senior Advisor to Board of Directors of Henderson Land Development Co. Director of Ace Life Insurance Co. Ltd., China CITIC Bank Corp., Intime Retail (Group) Co. Ltd. And Shenzen Yantian Port (Group) Co. Ltd.



Key Levers Of Our Strategy

Differentiate Business Model

- Leverage CSI's existing expertise to expand and monetize utility scale project opportunity (e.g. Canada, U.S., Japan, China)
- Expand residential system kits

Maintain Low Manufacturing Cost

■ Continue to reduce manufacturing costs to remain competitive

Leverage Manufacturing Scale

Expand capacity selectively in a cost-efficient manner and increase market share

Introduce New Technologies

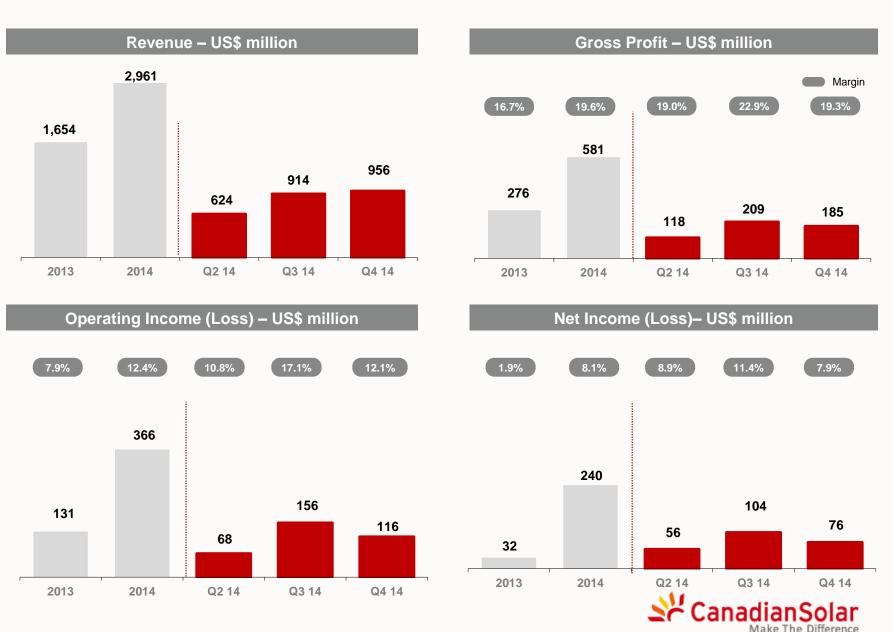
 Focus on research and development to achieve solar cell efficiency improvements and introduction of new technologies

Canadian Solar aims to maintain profitability and to be the global leader in the development, manufacture and sale of solar module products and a total solutions provider in photovoltaic power generation

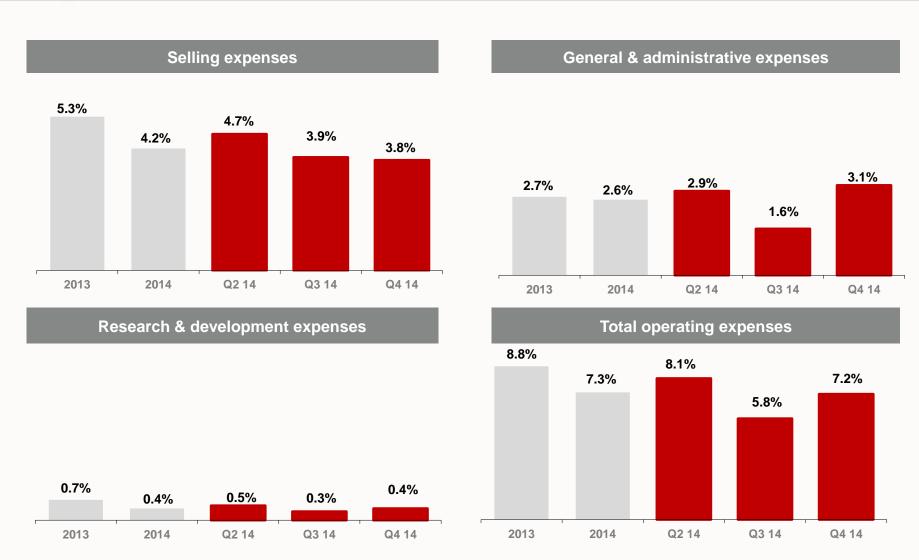
Source: Company information



Income Statement Summary



Operating Expenses As % Of Revenue

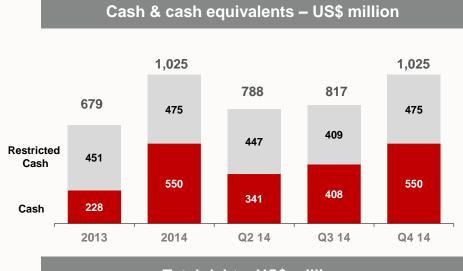


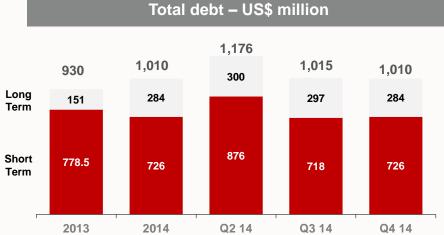
Source: Company filings

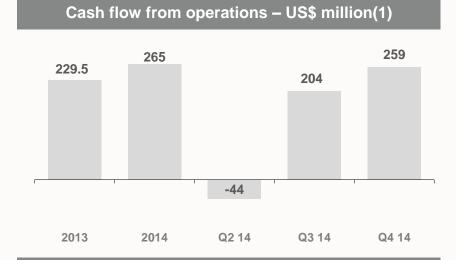
Note: Percentages are of the total net revenue in the corresponding period.

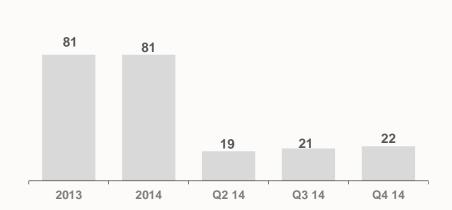


Selected Balance Sheet & Cash Flow Items









Depreciation & amortization - US\$M





Guidance

	Q4 2014	Q1 2015	FY2014	FY2015	ΥοΥ Δ%
Module shipments	1,125 MW	1,000 MW – 1,030 MW	3.1 GW	4.0 GW – 4.3 GW	+33.1%
Revenue	\$ 956.2 m	\$ 725 m to \$ 775 m	2.96 bn	\$2.8 bn to \$3.0 bn	Flat (2)
Gross margin	19.3%	16% – 18% ⁽¹⁾	19.6%	NA	NA

Source: Earnings release issued on March 5, 2015



⁽¹⁾ Includes module business and project business

⁽²⁾ Absent change in energy business model from build to sell, to build and operate, revenue for 2015 would be higher by over \$1.0 billion.

