



Third Quarter 2015

Solar Energy Index Underperforms S&P in Q3 2015

Winner's Circle*	Sector			
GCL-Poly Energy Holdings	(17%)	W		
Motech Industries, Inc.	(1%)	С		
SolarWorld AG	17%	- 1		
Capital Stage AG	38%	D		

Worst Performers* Sector

ReneSola Ltd. (29%) W
China Sunergy Co. Ltd. (37%) C
SunEdison, Inc. (76%) I
Real Goods Solar, Inc. (47%) D

*Based on quarter-over-quarter share price performance

Solar Energy Highlights

From last quarter:

- Overall Index decreased 31.4%
- Wafers / Ingots Index decreased 17.2%
- Cells / Modules Index decreased 16.4%
- Vertically Integrated Index decreased 41.0%
- EPC Integrators / Developers Index decreased 14.4%

EBITDA Margins*

Wafers / Ingots 15%
Cells / Modules 17%
Vertically Integrated 14%
EPC Integrators / Developers 69%

3 Year Revenue CAGR*

Wafers / Ingots 6%
Cells / Modules (2%)
Vertically Integrated 5%
EPC Integrators / Developers 19%

*Source: Capital IQ as of September 30, 2015 or latest available Note: Average for each sector; CAGR stands for compound annual growth rate

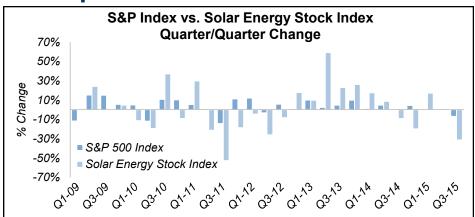
Solar Energy Sector Guide

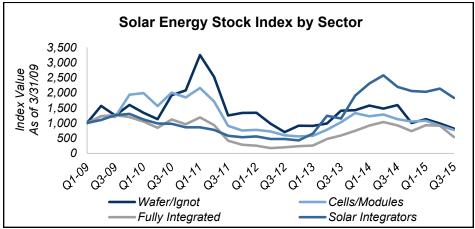
Wafers / Ingots Producers (W)

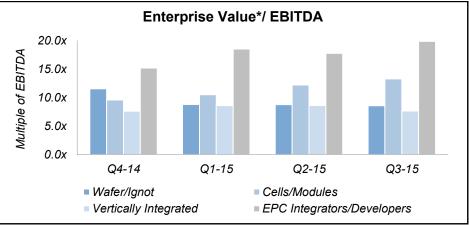
Cells / Modules Production (C)

Vertically Integrated Companies (I)

Engineering, Procurement and Construction ("EPC") Integrators /
Developers (D)







Enterprise Value is calculated as Market Cap on September 30, 2015 plus debt, preferred equity and minority interest less cash.

About the Solar Energy Stock Index

Similar to the S&P 500 Index, the Solar Stock Index is a market cap weighted composite index. The index is prepared by first selecting a base period, in this case, Q1 2009, and totaling the market caps of the companies in each sector in this period. This period and total market cap is set to a base index, in this case, 1000. Next, for each sector, the current period's total market cap is calculated, divided by the base period's total market cap and then multiplied by the base index (1000). The result is the index value used for plotting in the graph above.

Solar Energy Stock Index Data

Company	Exchange	Stock Price	LTM Sales (\$ in millions)	Diluted EPS	Current Ratio	EV/ EBITDA	EV/ Sales	Market Cap (\$ in millions)	Net Debt (\$ in millions)
Wafers / Ingots	Excitatige	1 1100	(\$ III IIIIIIOI13)		rtatio	LDIIDA	Cuico	(\$ III IIIIIIOI13)	(\$ 111 TTIIII10113)
GCL-Poly Energy Holdings Ltd.	Hong Kong	\$0.19	\$4,896	\$0.02	0.8	8.4x	1.9x	\$2,978	\$5,942
PV Crystalox Solar plc	London	0.13	64	(0.05)	4.8	NM	NM	20	(19)
ReneSola Ltd.	New York	0.97	1,377	(0.40)	0.6	8.7x	0.6x	99	714
Average Wafers / Ingots			2,112		2.1	8.6x	1.2x	1,032	2,212
Cells / Modules									
China Sunergy Co. Ltd.	Nasdaq	1.16	370	(3.61)	0.9	NM	1.6x	17	581
E-Ton Solar Tech. Co. Ltd	Taiwan	0.34	113	(0.04)	2.1	NM	2.4x	265	12
Gintech Energy Corporation	Taiwan	0.46	429	(0.10)	1.8	21.3x	0.7x	209	81
Hanwha Q CELLS Co., Ltd.	New York	12.56	1,029	(0.43)	1.0	18.5x	1.6x	1,047	604
JA Solar Holdings Co., Ltd.	Nasdaq	7.80	1,842	1.25	1.5	3.6x	0.5x	394	414
Motech Industries, Inc.	Taiwan	1.12	555	(0.16)	1.1	NM	1.2x	544	142
Neo Solar Power Corporation	Taiwan	0.57	693	(0.07)	2.0	NM	0.8x	488	60
Solaria Energía y Medio Ambiente, S.A.	Madrid	0.82	25	0.07	0.4	9.8x	7.1x	89	91
Average Cells / Modules			632		1.3	13.3x	2.0x	382	248
Vertically Integrated									
Canadian Solar Inc.	Nasdaq	\$16.62	\$3,368	\$4.39	1.0	4.2x	0.6x	\$929	\$1,040
First Solar, Inc.	Nasdaq	42.75	3,263	3.09	3.5	5.5x	0.9x	4,314	(1,459)
JinkoSolar Holding Co., Ltd.	New York	21.94	1,806	2.61	0.9	10.1x	1.3x	684	1,365
Renewable Energy Corporation ASA	Oslo	0.18	420	0.14	2.4	5.6x	1.4x	452	138
SolarWorld AG	Frankfurt	16.86	780	(4.45)	2.1	NM	0.7x	251	296
SunEdison, Inc.	New York	7.18	2,491	(4.19)	0.9	NM	5.8x	2,262	9,513
SunPower Corporation	Nasdaq	20.04	2,649	1.12	1.9	10.2x	1.2x	2,734	466
Trina Solar Ltd.	New York	8.97	2,603	0.92	0.9	6.6x	0.7x	827	850
Yingli Green Energy Holding Co. Ltd.	New York	0.41	1,959	(1.41)	0.5	11.3x	1.1x	74	1,867
Average Vertically Integrated			2,149		1.6	7.7x	1.5x	1,392	1,564
EPC Integrators / Developers									
Capital Stage AG	Frankfurt	\$9.76	\$107	\$0.32	1.5	19.9x	13.8x	\$737	\$725
Real Goods Solar, Inc.	Nasdaq	1.18	63	(7.13)	1.1	NM	0.2x	15	(1)
SolarCity Corporation	Nasdaq	42.71	300	(0.29)	1.1	NM	21.5x	4,153	1,580
Average EPC Integrators / Developers			157		1.2	19.9x	11.9x	1,635	768
Average Solar Energy Index			1,357		1.5	10.3x	3.1x	1,025	1,087

Note: Data in table above is sourced from Capital IQ as of September 30, 2015 or latest available data.

Stock price adjusted for dividends and splits.

Stock Index does not include polysilicon producers and diversified multi-divisional electronics firms such as Bosch, Kyocera, Mitsubishi Electric, Sanyo and Sharp.

About Lincoln International

Lincoln International specializes in merger and acquisition advisory services, debt advisory services, private capital raising and restructuring advice on mid-market transactions. Lincoln International also provides fairness opinions, valuations and pension advisory services on a wide range of transaction sizes. With sixteen offices in the Americas, Asia and Europe, Lincoln International has strong local knowledge and contacts in key global economies. The firm provides clients with senior-level attention, indepth industry expertise and integrated resources. By being focused and independent, Lincoln International serves its clients without conflicts of interest. More information about Lincoln International can be obtained at www.lincolninternational.com.

Contact

Lincoln International's Renewable Energy Group is led by a former CEO of a public company. The firm's Renewable Energy team provides transactional, financial and strategic advisory services to renewable energy companies and private equity groups. For more information, please contact:

NORTH AMERICA Jack Calderon, Managing Director (Chicago) jcalderon@lincolninternational.com

Chaim Lubin. Director (Chicago) clubin@lincolninternational.com

SOUTH AMERICA James Sinclair, **Managing Director and** President - Brazil (São Paulo) isinclair@lincolninternational.com

EUROPE Dr. Martina Ecker, Managing Director (Frankfurt) m.ecker@lincolninternational.de

Richard Floto, Managing Director (Frankfurt)

r.floto@lincolninternational.de

Géraud Estrangin, Managing Director (Paris) g.estrangin@lincolninternational.fr

Eric Wijs, Managing Director

(Amsterdam) e.wijs@lincolninternational.nl

Rommel Franco, Director (Madrid) r.franco@lincolninternational.es

Mario Beier, Vice President m.beier@lincolninternational.de **ASIA** Tetsuya Fujii, **Managing Director and** President - Japan (Tokyo) tfujii@lincolninternational.com

T.N. Giridhar. **Managing Director and** President - India (Mumbai) tngiridhar@lincolninternational.com

Joe Chang, **Managing Director and** CEO - China (Beijing) jchang@lincolninternational.com

Lincoln INTERNATIONAL

AMSTERDAM | BEIJING | CHICAGO | FRANKFURT | LONDON LOS ANGELES | MADRID | MILAN | MOSCOW | MUMBAI NEW YORK | PARIS | SAO PAULO | TOKYO | VIENNA | ZURICH

Contributor

Jimmy Brown, Analyst: jbrown@lincolninternational.com