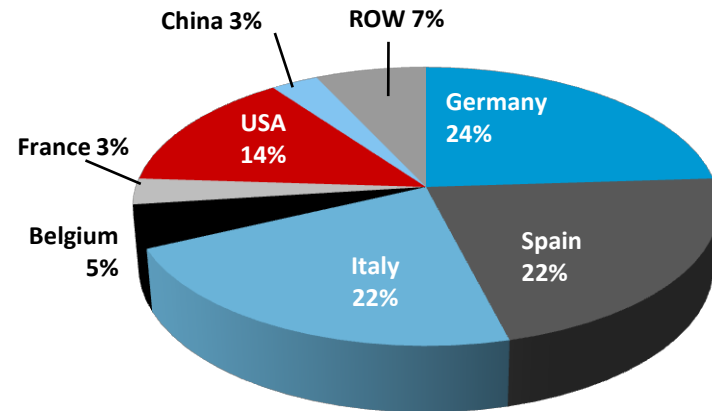


Company Snapshot



- Founded in 1997, in Changzhou, China
- \$1.86Bn **Revenue** in 2010
- Over 22,000¹ employees worldwide
- Listed on the NYSE (under TSL ticker)

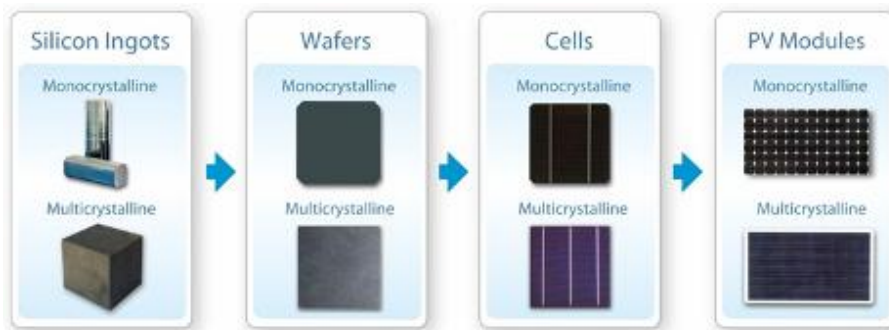
TSL
LISTED
NYSE



2011
1.9 GW

Our Advantage:

Vertically **Integrated** Business Model



- One of world's largest solar manufacturing plants
- 11 offices world-wide – **Sydney since Feb 2011**
- Shipped more than 2GW since 2005²
- **Shipped more than 17MW to Australia in 2010**
- **Completed largest rooftop installation in Australia – 1.2MW UQ project**

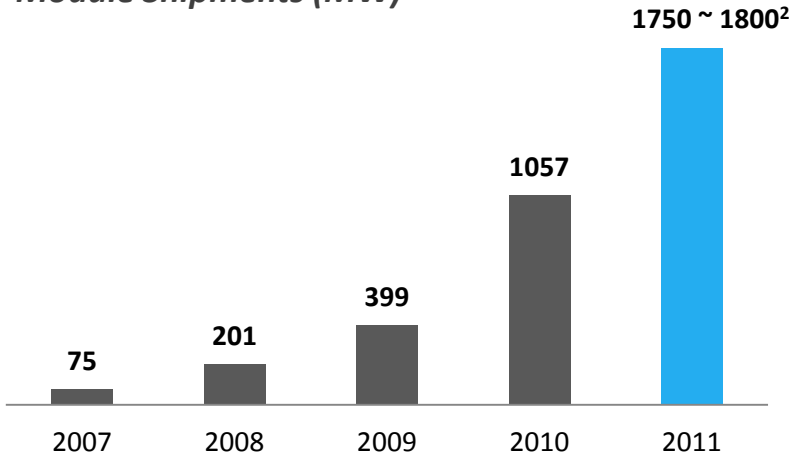


1_ As of December 31, 2010

2_ Company's estimate as of March 1, 2011

Module Capacity Expansion

Module Shipments (MW)



Main facts

Module Power Range

180– 305Wp

Wafer Thickness

180 μ m

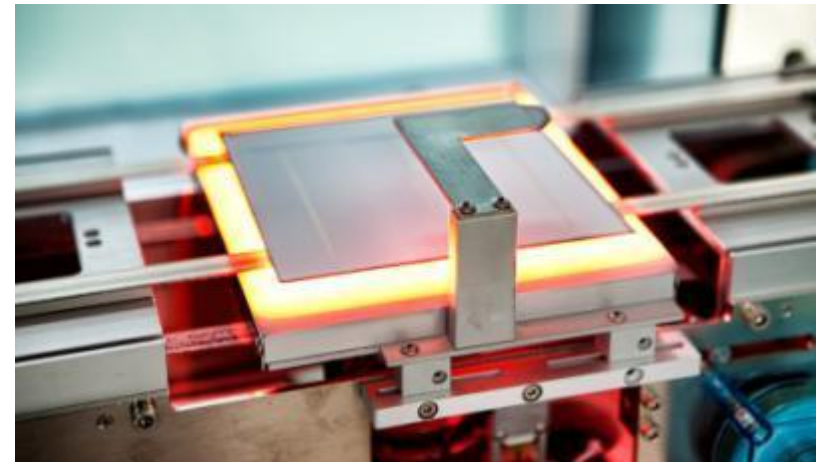
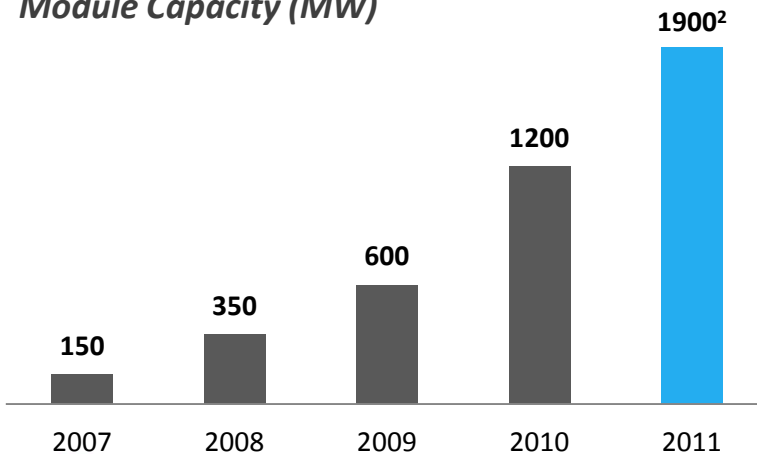
Cell Efficiency¹

Up to 19.5% mono
Up to 18.8% multi

Polysilicon Usage

5.9g/W

Module Capacity (MW)



Quality – NEW linear warranty

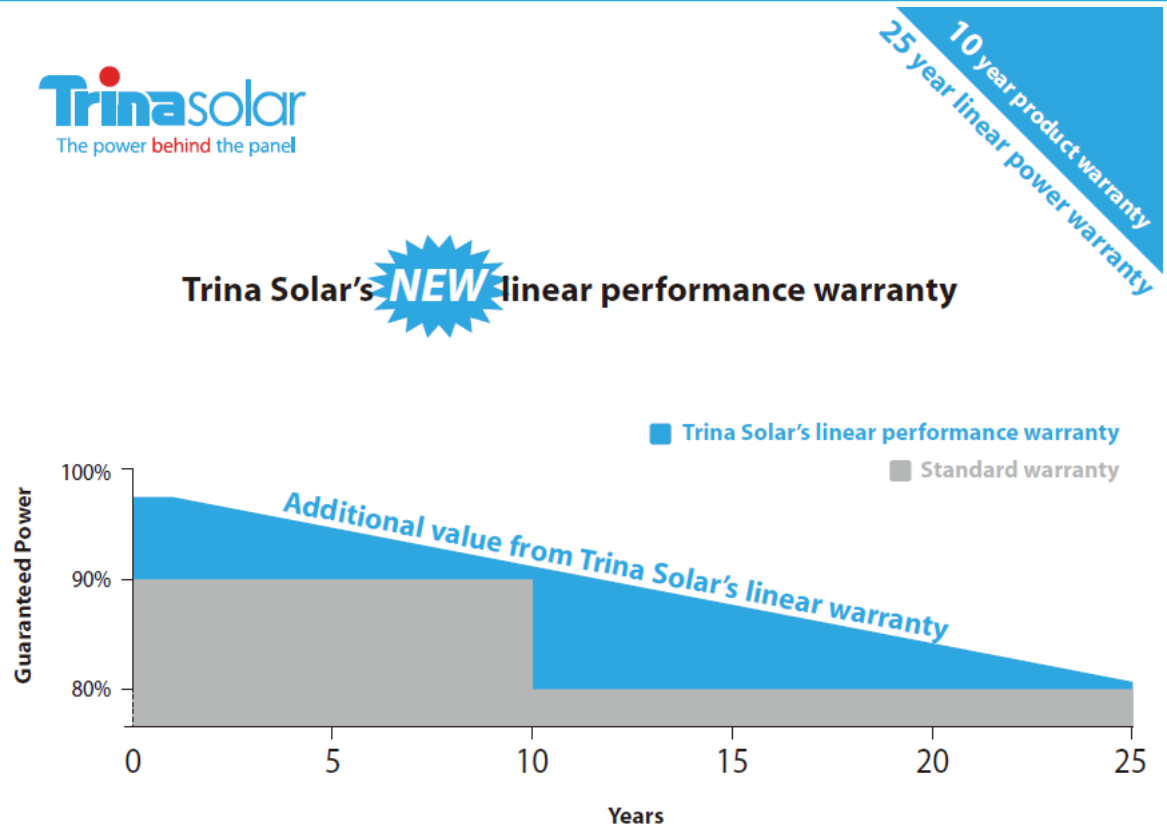
Description

Polycrystalline Products:

2.5 % on year one
thereafter 0.7% per year
ending with **80.7% in the 25th year** after the Warranty Start Date

Monocrystalline Products:

3.5 % on year one
thereafter 0.68% per year
ending with **80.18% in the 25th year** after the Warranty Start Date.



- **10 years product warranty**
- **25 years linear power warranty**
- **Positive power tolerance +3%**

Our Competitive Advantage

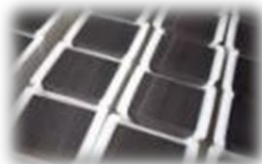
Superior performance, at each step

QUALITY



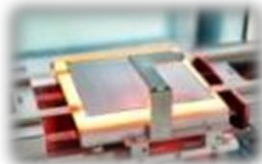
- Modules ranked by Photon Yield Test (2010), DKA Australia (2009) and TUV Rheinland (2008) tests as among **top 3 best performing modules**
- **CENTER FOR EXCELLENCE**: world class **in-house testing center**

VERTICAL INTEGRATION



- Single campus to ensure **optimal yield** and **quality** throughout the entire manufacturing process
- Efficient management of our supply chain

EFFICIENT TECHNOLOGY



- Cell efficiency: Achieved 18% efficiency for multi-crystalline cells¹
- Lab Test Production: Achieved **19.5% efficiency** for mono-crystalline cells¹
- R&D partnerships with leading universities (**SERIS, ANU, U. Queensland**)

STRONG FINANCIALS



- Maintained **healthy financials**: Gross margin above 27% for the last consecutive 6 quarters
- As of March 31, 2011, the Company had **\$554.6 million in cash** and cash equivalents and restricted cash

Quality, guaranteed by rigorous in-house testing



- Over **30 in-house tests**, allows internal testing in accordance with IEC standards and those of internationally-trusted testing bodies



- Long-term Strategic Partnership with** TÜV Rheinland Group, Underwriters Laboratories Inc (UL) and China General Certification Centre (CGC).



- Material & Electrical testing to **increase panel durability** and **product life**
- Allows Trina Solar to confidently offer our customers **product and manufacturing warranties**

Sample Tests



UV



Mechanical Loading



Power Determination

Ammoniac Resistance and Salt Mist Certificates

- Salt mist certificate by ELT

- For installation close to the sea



- Ammonia Resistance certificate by TUV :

- For installation on farms, pighouses etc.



2 PIG 1917/05.11 / 05.2011 TÜVRheinland®

www.tuv.com

Prüfbericht - Nr.: 21170778.001
Test Report No.:

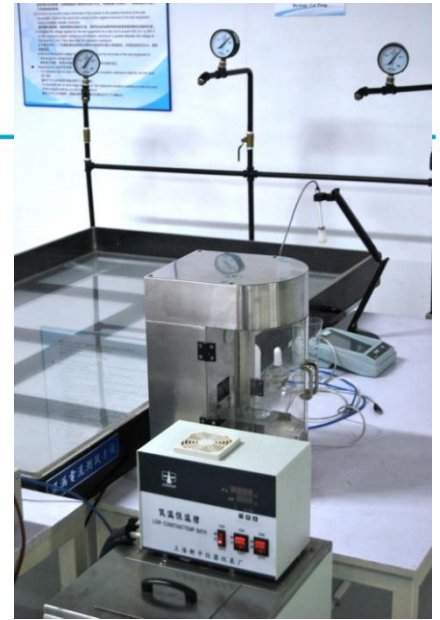
Client (Customer no. and address): Auftraggeber (Kunden-Nr. u. Adresse):	Changzhou Trina Solar Energy Co. Ltd. No.2 Tian He Road, Electronics Park, New District Changzhou, Jiangsu 213031 China		
Test item: Gegenstand der Prüfung:	Photovoltaic (PV) Module(s)	Date of receipt: Eingangsdatum:	15 March 2011
Module type designation: Modultypen-Bezeichnung:	TSM-xxxDC14 (xxx = 250 – 290 in steps of 5) TSM-xxxPC14 (xxx = 250 – 290 in steps of 5) TSM-***PC05 (*** = 200 – 260 in steps of 5) TSM-***PC05.05, TSM-***PC05.08 (*** = 200 – 240 in steps of 5) TSM-***DC01A, TSM-***DC01A.05, TSM-***DC01A.08 (*** = 170 – 205 in steps of 5) TSM-***DC01, TSM-***DC01.05, TSM-***DC01.08 (*** = 180 – 195 in steps of 5) TSM-***DC80, TSM-***DC80.05, TSM-***DC80.08 (*** = 180 – 210 in steps of 5)		
Order no.: Auftragsnummer:	21216455	Quotation no.: Angebotsnummer:	
Testing location: Prüfart:	Solar Energy Assessment Center Cologne TÜV Rheinland Energie und Umwelt GmbH Am Grauen Stein, 51105 Köln, Germany Tel.: ++49-221/806-2477, Fax: ++49-221/806-1350		
Test specification: Prüfgrundlage:	2 PIG 1917/05.11 "Ammonia corrosion testing of photovoltaic (PV) modules"		
Test result: Prüfergebnis:	All of the required tests were passed according to the pass criteria outlined in the test specification noted above. It is therefore declared, that the PV modules of the aforementioned type fulfil the requirements and it is recommended that certification should be granted.		
compiled by / erstellt:		reviewed by / kontrolliert:	
04 July 2011	 Dipl.-Ing. S. Menzler	04 July 2011	 Dipl.-Ing. J. Althaus
Date Datum	Title/Name Titel/Name	Date Datum	Title/Name Titel/Name
Sonstige Aspekte / other aspects:			
Abkürzungen:	P(pass) F(fail) NA NT	Abkürzungen:	P(pass) F(fail) NA NT
	<ul style="list-style-type: none"> • successful Prüfungsergebnis • failed Prüfungsergebnis • not applicable nicht anwendbar • not tested nicht getestet 		<ul style="list-style-type: none"> • passed • failed • not applicable • not tested



Highly Accelerated Stress Test



Module Breakage Test



Wet Leakage Test



Hail Test



UV Test



Mechanical Loading Test

Flagship Projects and R&D Partnership

- **Australia's Largest PV System, University of Queensland, Brisbane, Australia**
- 1.2M installation on 4 campus buildings at the University of Queensland
- The biggest roof top on-grid PV system in Australia
 - > 5000 poly-crystalline Trina Solar Panels and Power one inverters
 - Around 2GWh of electricity a year



1.2 MW University of Queensland System

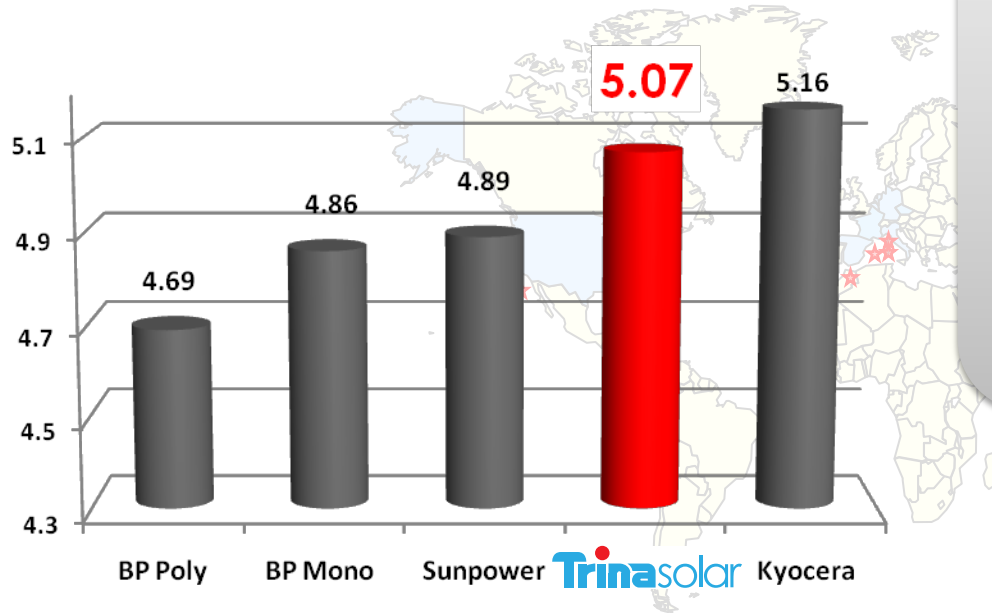
Photovoltaics Sustainable Growth Index (PVSGI) 2011

Name	Country	Score	Score change 2010 to 2011	2011 Rank	Rank change 2010 to 2011
Trina Solar Limited	CN	51.5	-10.5	1	↑ 1
First Solar, Inc.	US	63.5	48.5	2	↓ -1
LDK Solar Co. Ltd.	CN	63.5	N/A	2	N/A
Renesola Ltd.	CN	63.5	-109.5	2	↑ 21
JA Solar Holdings Co., Ltd.	CN	65.0	-53.5	5	↑ 9
Yingli Green Energy Holding Co., Ltd.	CN	80.5	-7.0	6	→ 0
Gintech Energy Corporation	TW	90.0	-23.5	7	↑ 6
Motech Industries, Inc.	TW	91.0	-37.5	8	↑ 7
Renewable Energy Corporation ASA	NO	94.5	26.5	9	↓ -4
JinkoSolar Holding Co., Ltd.	CN	104.0	N/A	10	N/A
Neo Solar Power Corp.	TW	106.5	N/A	11	N/A
Suntech Power Holdings Co., Ltd.	CN	109.0	43.5	12	↓ -9
Hanwha SolarOne, Ltd.	CN	121.0	11.0	13	↓ -2
SunPower Corporation	US	124.5	57.0	14	↓ -10
Canadian Solar Inc.	CN	125.5	26.5	15	↓ -5
Aleo solar AG	DE	131.0	37.5	16	↓ -8
SolarWorld AG	DE	135.0	46.5	17	↓ -10
China Sunergy Co., Ltd.	CN	140.5	-15.0	18	→ 0
Green Energy Technology Inc.	TW	145.5	N/A	19	N/A
Q-Cells SE	DE	148.0	-19.5	20	↑ 2
Delsolar Co. Ltd.	TW	158.0	N/A	21	N/A
Conergy AG	DE	173.5	16.5	22	↓ -3
CentroSolar Group AG	DE	173.5	29.5	22	↓ -6
E-Ton Solar Tech. Co., Ltd.	TW	187.0	9.5	24	→ 0
Solon SE	DE	191.0	4.5	25	→ 0

- Am I growing faster than my competitors?
- Am I creating a shareholder value?
- Can I finance my current rate of growth long term?
- Can I adopt my business processes to the increasing complexities of size?

Desert Knowledge Australia test results

Average Daily output, 2009 (Jan-Dec), in kWh/kWp



How much **more electricity** do you get by using Trina Solar modules?

Trina vs.	
BP Poly	+8.0%
BP Mono	+4.7%
Sunpower	+4.5%
Kyocera	-1.3%

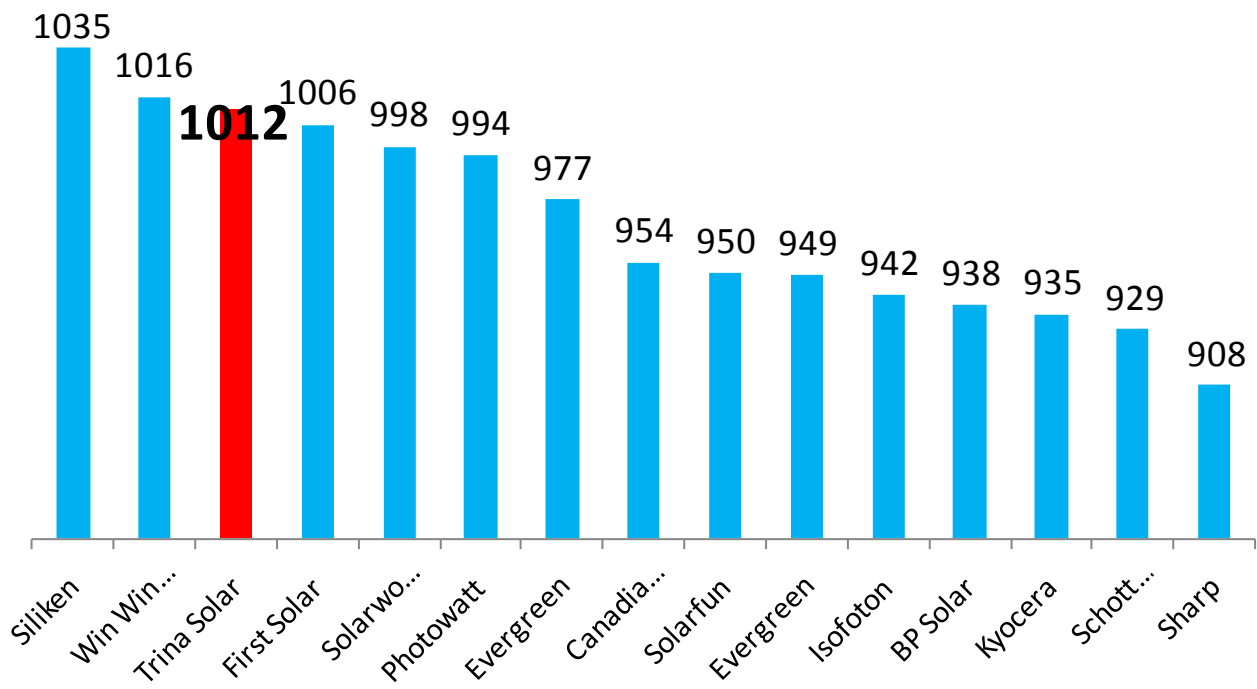


Even in the harsh **Australian desert**, Trina Solar panels outperformed competitors.

Superior Panel Performance

2010

Results of the Photon solar module yield measurement results
(Jan to Nov 2010 in kWh/kWp)



Trina Solar panels are among the world's **top performers.**

As seen in magazines:

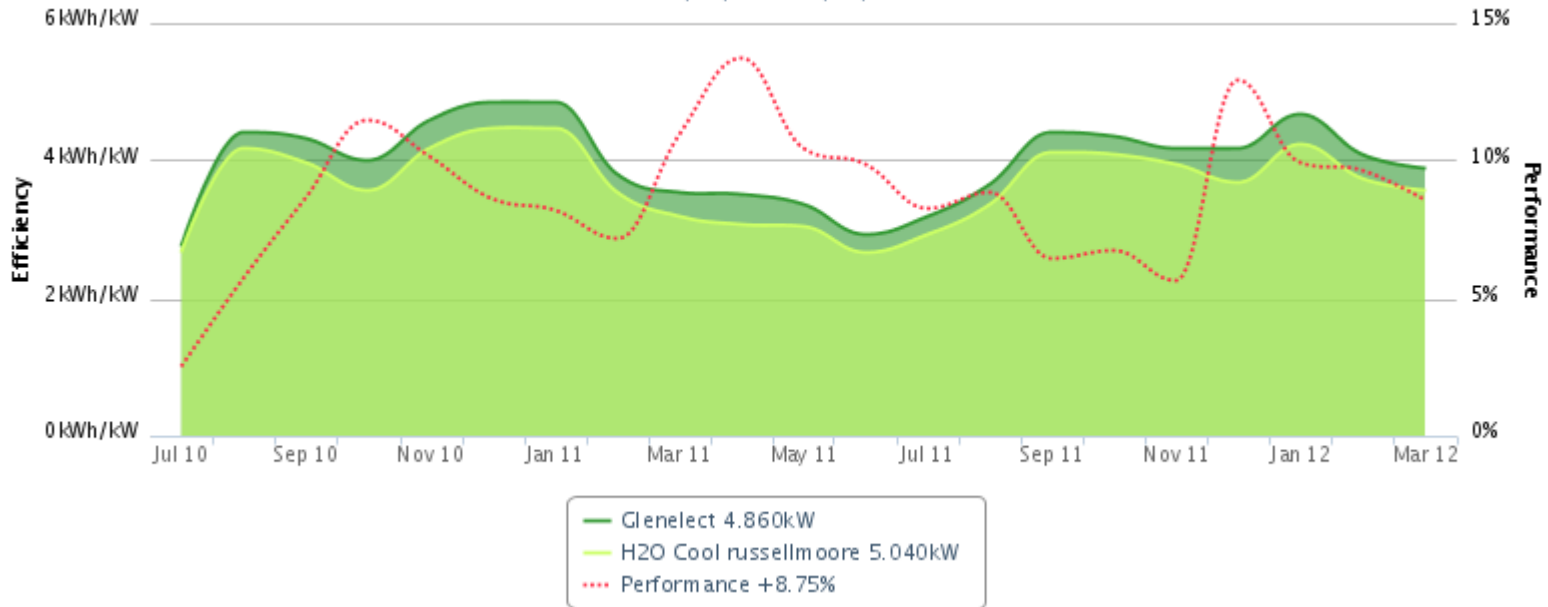


NSW – Trina vs Suntech: +8.75%

(8kms distance)

System Name	Glenelect 4.86kW	H2O Cool russellmoore 5.04kW
Modules	27 x Trina 180W Mono	28 x Suntech 180W Mono
Inverters	Aurora PVI-5000	Fronius IG40
Orientation	North (8.7° East)	North
Tilt	17.5°	16°
Shading	Low (late)	Low

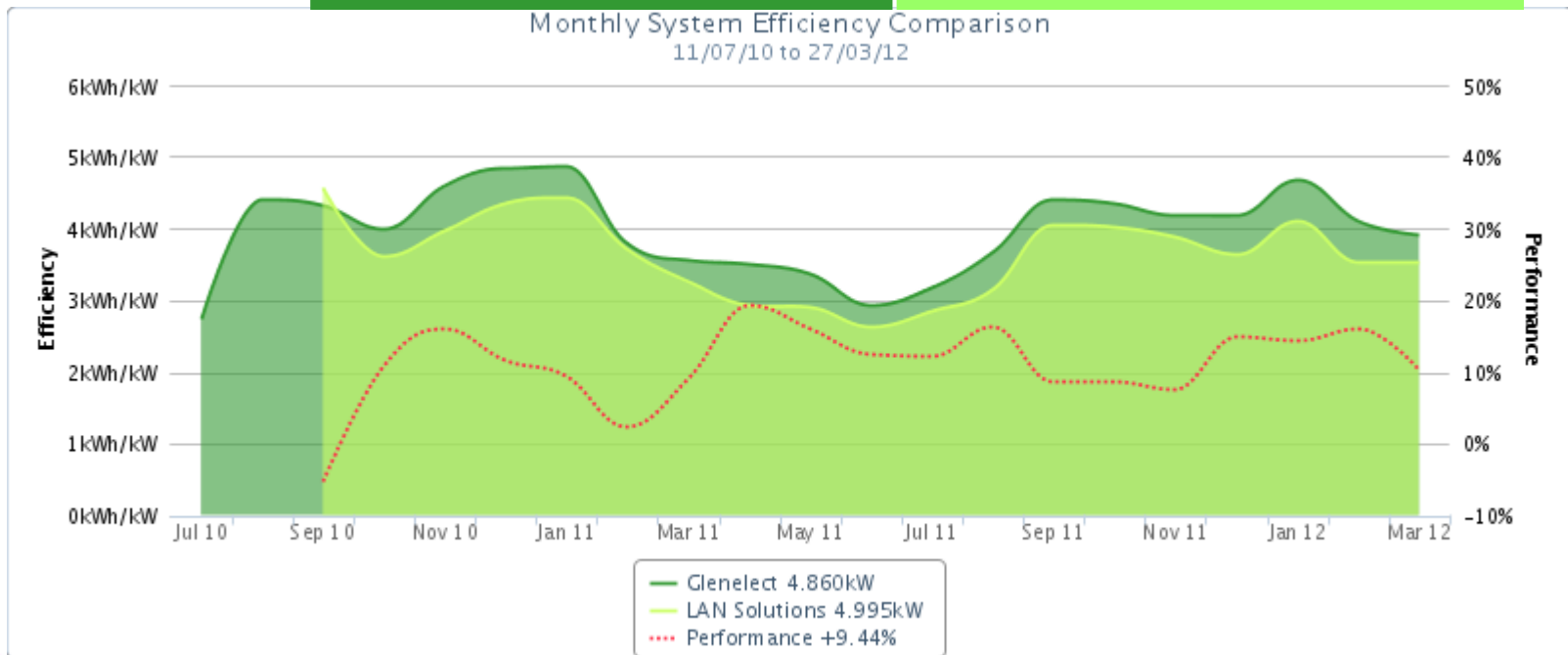
Monthly System Efficiency Comparison
11/07/10 to 26/03/12



NSW – Trina vs Schott: +9.4%

(30km Distance)

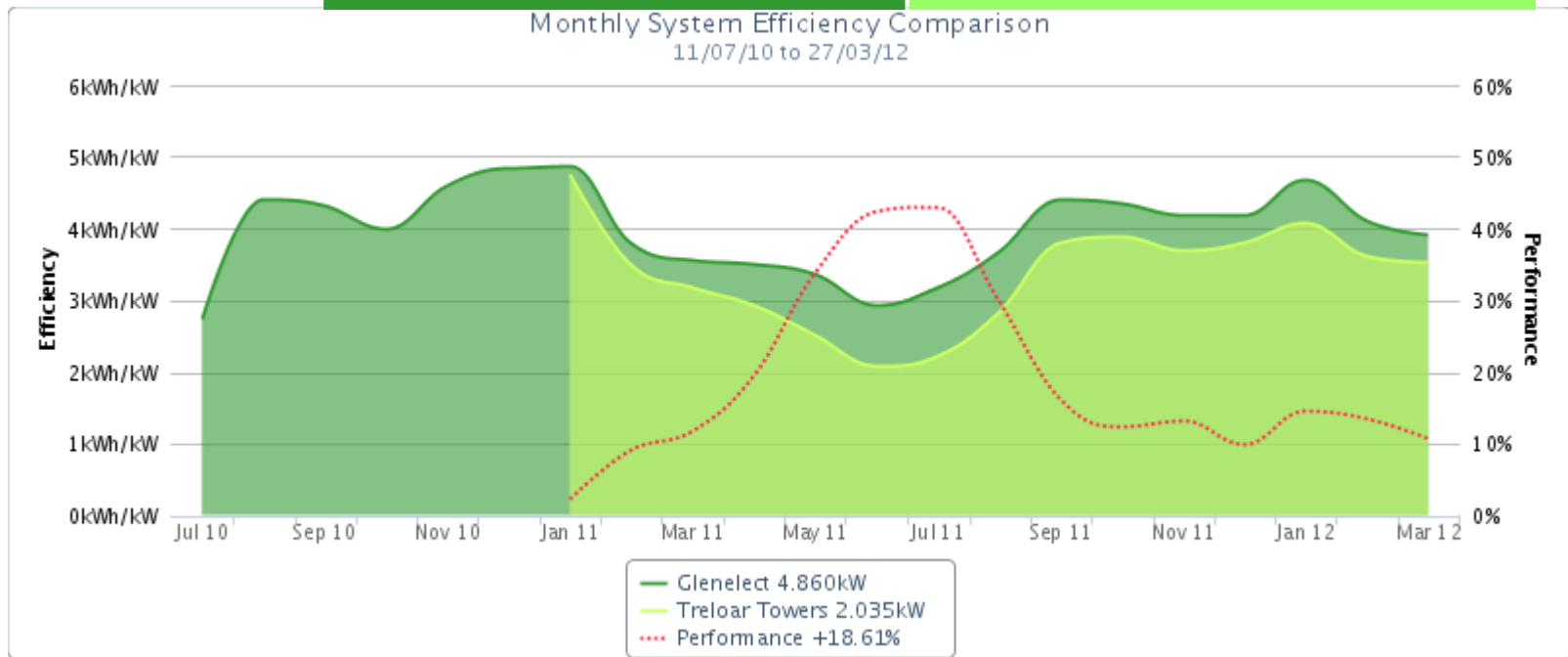
System Name	Glenelect 4.86kW	LAN Solutions 4.995kW
Modules	27 x Trina 180W Mono	27 x Schott Mono 185W
Inverters	Aurora PVI-5000	Aurora PVI-5000
Orientation	North (8.7° East)	North (4° East)
Tilt	17.5°	25°
Shading	Low (late)	None



NSW – Trina vs Conergy: +18.6%

(20km Distance)

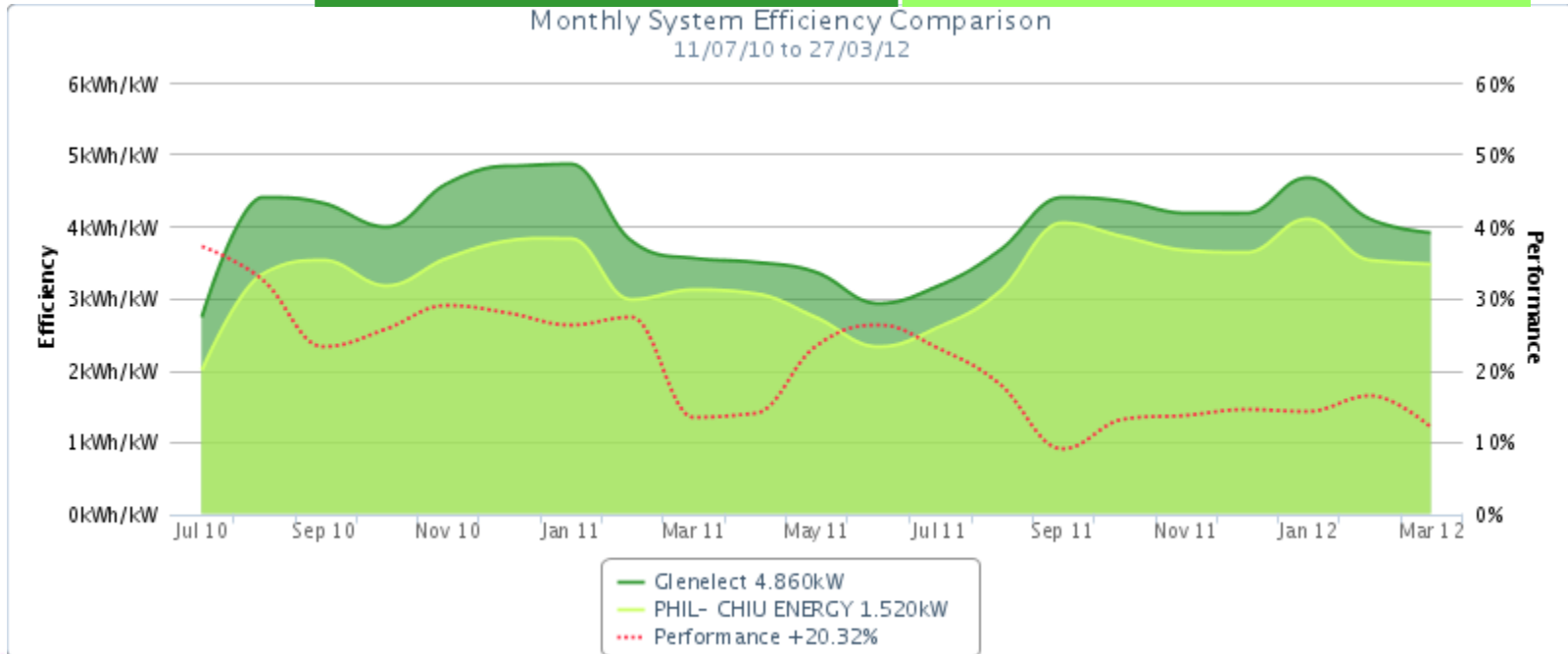
System Name	Glenelect 4.86kW	Treloar Towers 2.035kW
Modules	27 x Trina 180W Mono	11 x Conergy 185W
Inverters	Aurora PVI-5000	Xantrex
Orientation	North (8.7° East)	North-East
Tilt	17.5°	
Shading	Low (late)	Low



NSW – Trina vs Sharp: +20.32%

(0km Distance)

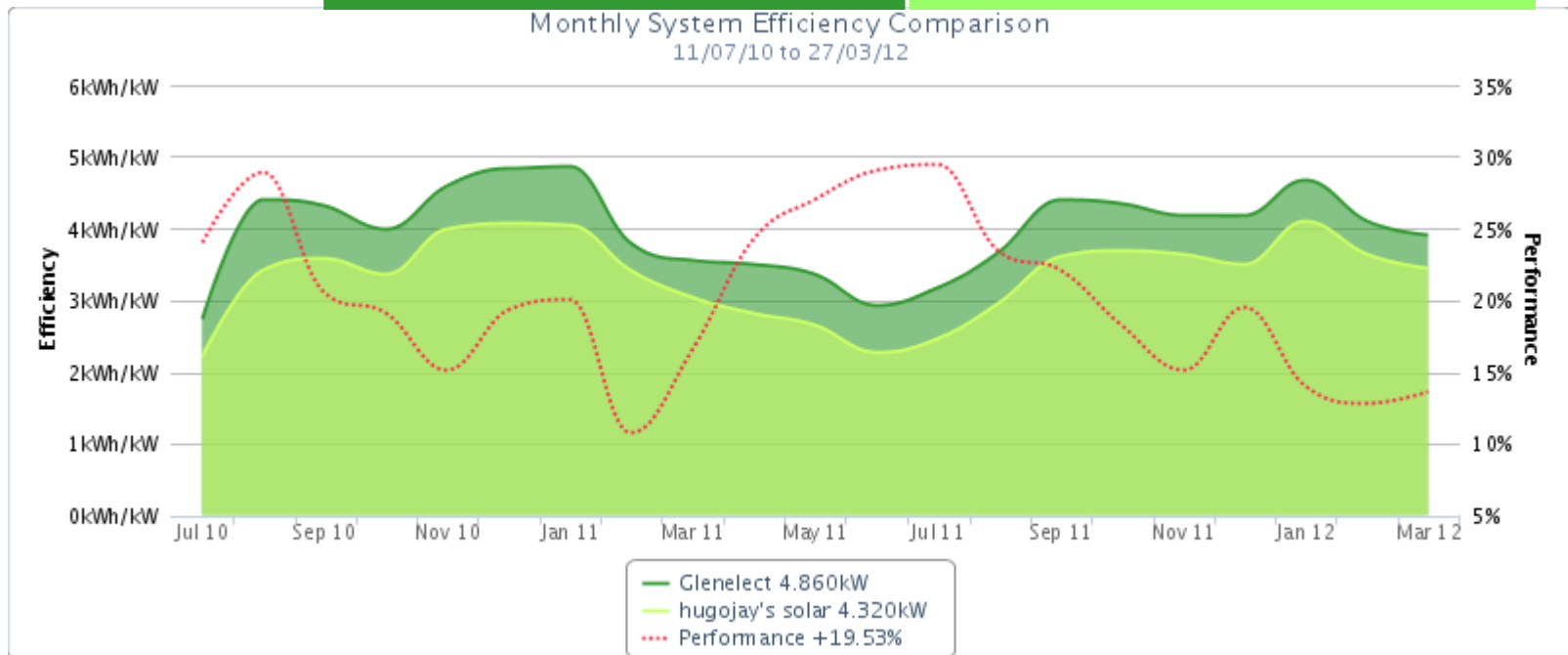
System Name	Glenelect 4.86kW	PHIL – CHIU ENERGY 1.52kW
Modules	27 x Trina 180W Mono	8 x Sharp NU-A188EY
Inverters	Aurora PVI-5000	SHARP JH-1600E
Orientation	North (8.7° East)	North
Tilt	17.5°	30°
Shading	Low (late)	Low



NSW – Trina vs Sopray: +19.5%

(30km Distance)

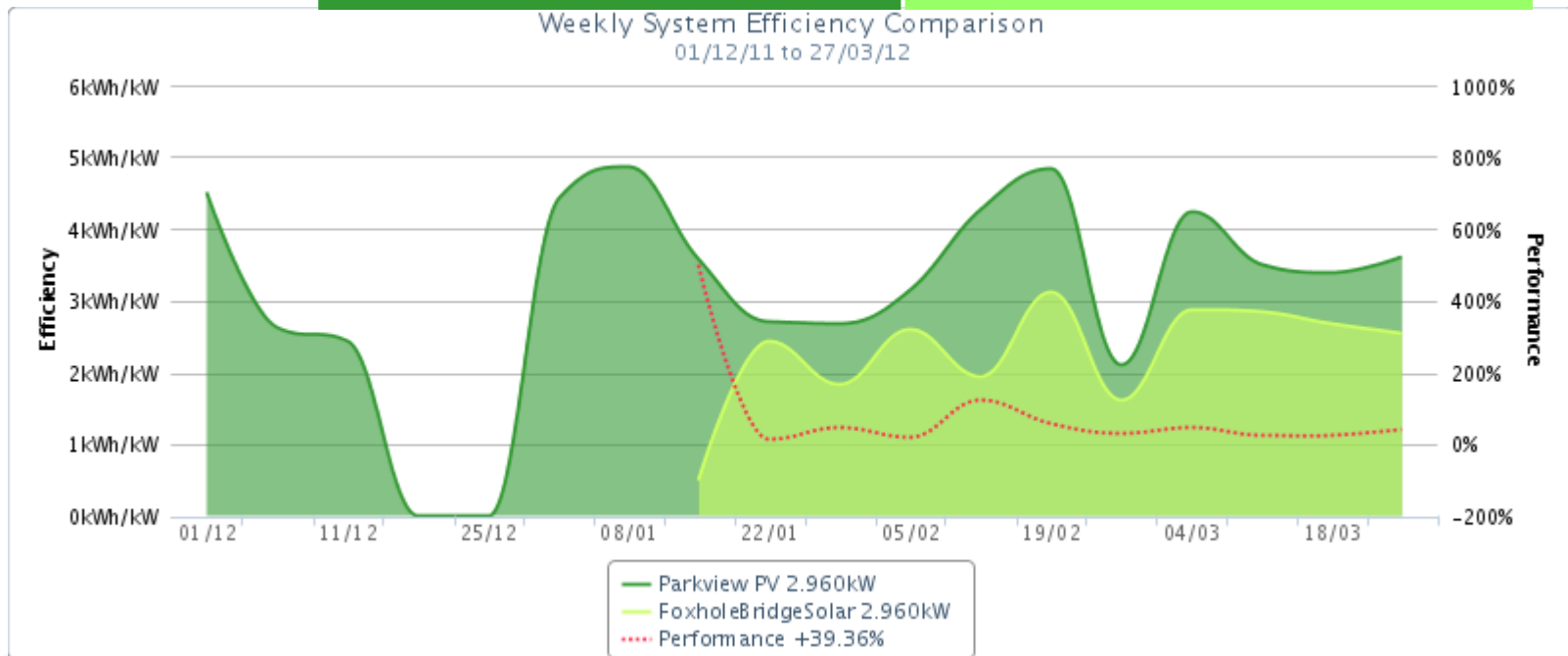
System Name	Glenelect 4.86kW	Hugojay's Solar 4.32kW
Modules	27 x Trina 180W Mono	24 x Sopray 180W
Inverters	Aurora PVI-5000	Xantrex GT5.0
Orientation	North (8.7° East)	North-East
Tilt	17.5°	22°
Shading	Low (late)	None



NSW – Trina vs Eoplyly +39%

(10km Distance)

System Name	Parkview PV 2.96kW	FoxholeBridgeSolar 2.96kW
Modules	16 x Trina 185W	16 x Eoplyly 185W
Inverters	Xantrex GT2.8	Samil Power 3kW
Orientation	North	North
Tilt		30°
Shading	None	None



CHINA

JAPAN

KOREA

U.S.A.

SWITZERLAND

GERMANY

ITALY

SPAIN

AUSTRALIA



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THANK YOU

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