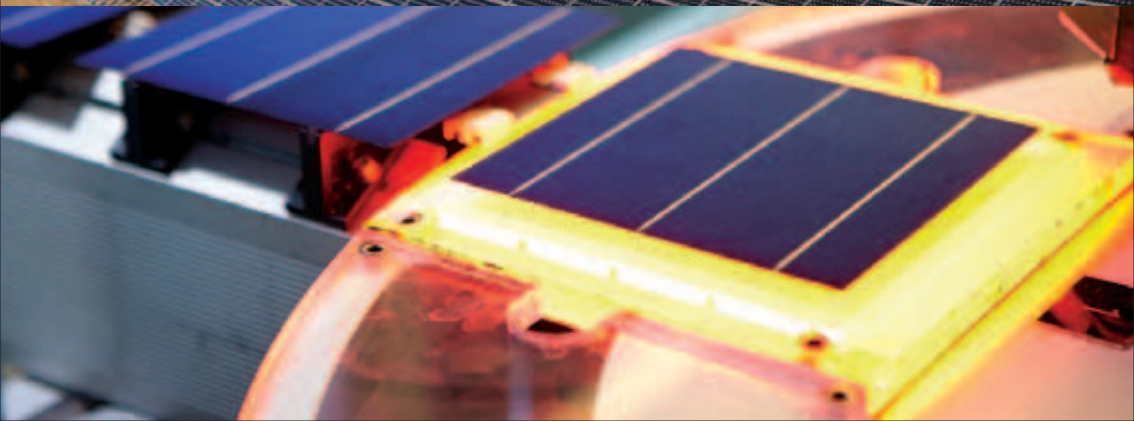
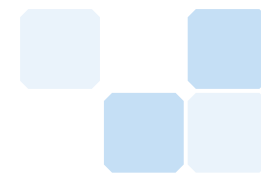


# THE STORY BEHIND THE PANEL

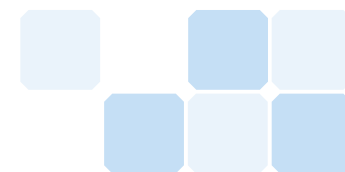




At Trina Solar, we believe the **true value** of a panel lies in the electricity it generates. In independent tests around the world, our panels have proven their **superior energy performance**. So, choosing Trina isn't just a quality purchase; it's a sound investment. Trina gives you **the best \$/kWh**.

## CONTENT

- 2 The Story Behind the Panel
- 6 The Success of Trina
- 10 Worldwide Partnership
- 11 Environmental Responsibility
- 12 Showcase





# THE STORY BEHIND THE PANEL

“We are committed to the ongoing advancement of the technology, efficiency and quality of our photovoltaic solar products”

2

Inspired by the growth of the global solar PV industry and the United States' 'Million Solar Roofs' initiative in particular, Trina Solar was established in December of 1997 by Chairman Jifan Gao, along with a small group of scientists during the infancy of the Chinese solar PV industry.

Since then, the company has seen outstanding growth and is today one of the leading solar companies worldwide. Today, our high-quality PV modules provide clean and reliable solar electric power in on-grid and off-grid residential, commercial, industrial and utility-scale

systems around the world. With local sales offices and downstream partners in Asia, Europe and North America, we are committed to improving the competitiveness of solar energy and to developing a sustainable solar industry.

At Trina Solar, we are committed to the ongoing advancement of the technology, efficiency, and quality of our photovoltaic solar products so that, in turn, our customers around the globe will accelerate the transition to clean, reliable renewable energy.



## OUR FOOTPRINT

Founded in 1997, the company has since established itself as a leader of the global solar community. Today, Trina Solar's growing global presence includes regional headquarters in Switzerland, US, Japan and China, as well as offices in Madrid, Munich, Milan, San Jose, Seoul, Osaka and Shanghai, to provide our customers with timely, reliable service.

The achievements of the last decade have laid a solid foundation for Trina Solar's ongoing business expansion, and the alternative energy industry's global potential ensures Trina Solar's bright future. The company will continue to be dedicated to innovation and quality as it helps push the solar PV industry towards grid parity.

## OUR MISSION

Our mission is to promote and develop solar energy as a source of clean, renewable energy for all.

## OUR VISION

Our vision is to become a leading manufacturer of high-quality solar PV modules and to provide clean, reliable electric power to people all around the world.

4

1997

Establishment of Trina Solar

2000

Developed first BIPV house in China

2004

Participated in developing China's first renewable energy law

2002

Installed 39 PV power stations in Tibet

2005

Established first monocrystalline ingot facility

2006

Initial Public Offering - Listed on the New York Stock Exchange (NYSE: TSL)

2007

Named by Deloitte as the fastest growing company in China's Hi-Tech sector. Completed vertical integration by launching cell manufacturing

2008

Signed cell supply partnership with Lisa airplanes. Reached 350MW production capacity

2009

Reached 600MW production capacity. Inaugurated Europe's largest photovoltaic rooftop

2010

Installed a rooftop solar system on the Belgium and EU pavilion at the Shanghai World Expo

By year end, will have shipped over 1GW of modules since 2005

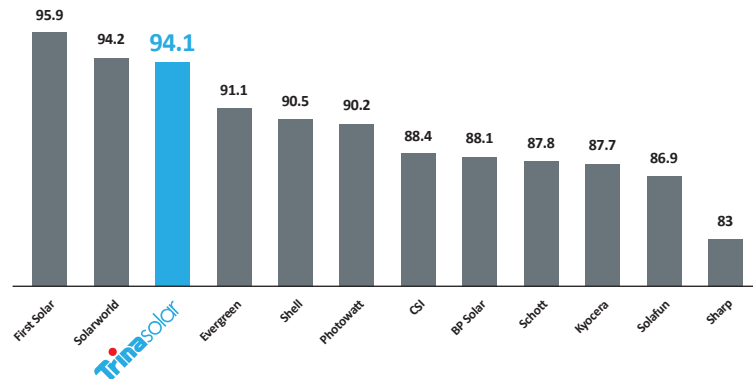
5

## THE SUCCESS OF TRINA

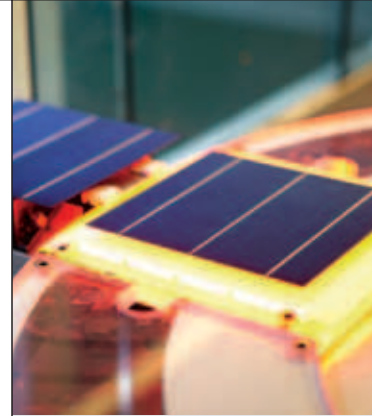
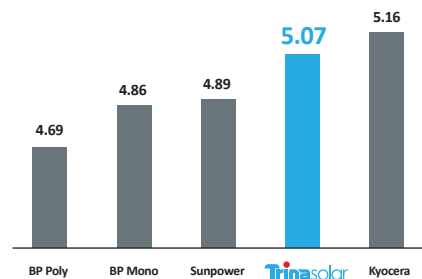
### The best \$/kWh value

To us, the true value of a panel lies in the electricity it generates. In independent tests around the world, our panels have proven their superior energy performance. Choosing Trina isn't just a quality purchase; it's a sound investment. With Trina Solar panels, you get the **best \$/kWh**.

Result for the Photon Test, September 2009 (in kWh/kWp)



Average Daily output, January-December 2009 (in kWh/kWp)



Our promise to provide the best \$/kWh relies on four elements that make Trina Solar panels unique:

### Quality

The quality of a panel rests on its ability adapt to any environment and to resist any kind of stress, both of which ultimately influence the amount of electricity a panel generates over its lifetime.

To guarantee that our products satisfy these requirements, in 2009 we launched the Trina Solar Center for Excellence. The Center contains a comprehensive range of tests, including product certification processes, material reliability tests, and material evaluation and research facilities.

Trina Solar also has its panels tested by internationally recognized laboratories. Recently, our panels were ranked 3rd-best in terms of power output by the Photon Solar Module Yield Measurement Test (Footnote: results published in September 2009, results based on kWh/kWp electricity generation) and 2nd-best panel by the Desert Knowledge Australia Center (Footnote 2: results based on data collected from Jan 1 to Dec 12, 2009).

### Vertical Integration

With the goal of accelerating the adoption of photovoltaics around the world, Trina Solar developed a vertically integrated business model. This vertical integration allows us continuously to improve our manufacturing processes and to ensure optimal power outputs from all of our panels. In return, we can offer our customers competitively priced products while continuing to expand our business.

### Efficient Technology

In order to offer our customers the best solar PV value, Trina Solar invests heavily in research and development. The company currently is working to improve its cell manufacturing processes, which include new, state-of-the-art passivation and metallization techniques. The company expects to enhance the conversion efficiencies of our mono- and multicrystalline cells to 19.5% and 18.0%, respectively, by the end of 2010, up from 18.8% and 17.5% , in December 2009.

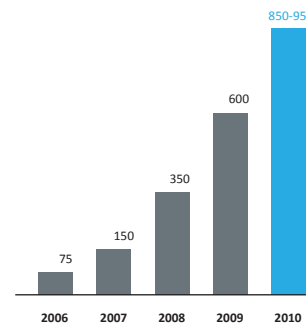
### Financial Strength

As it is our mission is to contribute to the global expansion of the solar industry , we consider financial stability essential to Trina's continued growth.



## THE SUCCESS OF TRINA

Module capacity chart



### Innovation

In our research and development, we focus on augmenting our ingot, wafer, cell and module manufacturing capabilities, while reducing manufacturing costs and improving the performance of our products. Our research and development team works closely with our manufacturing units and customers continually to improve our module and system designs. Up to now, we already have received over 150 patents for technical innovations.

Our vertically integrated business model helped us develop into a leader in the PV industry.

Producing our own ingots, wafers, cells and modules in-house allows us to ensure quality along the entire integrated value chain as well as to maintain one of the lowest cost structures in the industry.

### Quality control

We recently opened the “Trina Solar Center for Excellence”, which includes a broad range of quality-control tests and procedures including product certification processes, material reliability and evaluation tests and research facilities. The Center is equipped with advanced testing equipment similar to those in internationally-recognized, independent testing centers. All equipment and testing procedures are done in accordance with the following rigorous standards: UL1703, IEC61215 and IEC61730.

In the Center for Excellence, we put our modules through extreme environmental testing in order to ensure their reliability and performance. This allows us confidently to provide our customers with a 25-year output warranty.



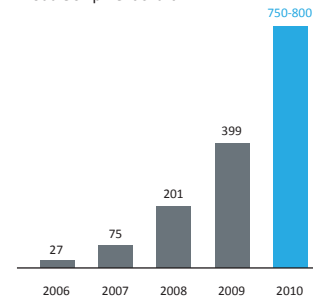


## WORLDWIDE PARTNERSHIP

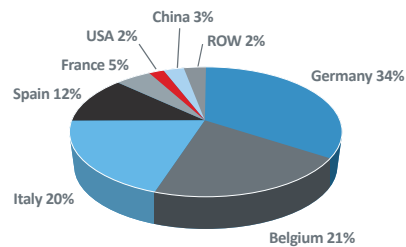
The road to leadership is paved with strong partnerships. It is in this spirit that Trina Solar built its sales and customer strategy. Trina Solar currently sells module in over 20 countries, and in each of them we have formed key long-term partnerships with local utilities, solar distributors, PV developers and system integrators.

Trina Solar partnerships led to over 399 MW of shipments in 2009, a 98.5% increase over shipments in 2008 (201.0 MW). In 2010, the company expects to sell between 750 and 800MW.

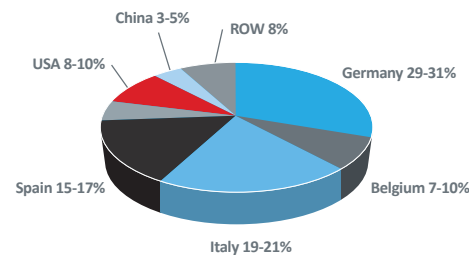
Module shipment chart



399MW shipped - 2009



750-800MW shipped - 2010



## ENVIRONMENTAL RESPONSIBILITY

As a global community, our improving standard of living comes at a cost. As we consume more electricity every day, the question of how we generate that electricity becomes critical. If we continue to rely on fossil fuels and emit ever-greater amounts of greenhouse gases, the damage to our environment and ourselves may become irrevocable.

We have devoted significant efforts to reduce to acceptable levels the waste and pollution caused by our manufacturing processes. We have installed various types of anti-pollution equipment in our facilities to reduce, treat, and where feasible, recycle the wastes generated in our manufacturing process.

Climate change knows no boundaries. Together, we need electricity generation that is environmentally sustainable, economically feasible, and easily implemented on any scale, from our roofs to our power plants.

## SHOWCASE



### Germany -3MW

Saves 2,200 tons of CO2 a year  
Location : Augsburg  
Installation Date : December 2007  
Application Type : PV Plant  
Installation Type : Ground Mounted



### USA-2.4 MW

America's largest single rooftop installation,  
as of April 2009  
Location : Atlantic City  
Installation Date : March 2009  
Application Type : Commercial  
Installation Type : Roof Mounted

### Spain -26MW

10th largest installations in the world,  
as of May 2009

Location : Fuente Alamo  
Installation Date : August 2008  
Application Type : PV Plant  
Installation Type : Ground Mounted  
Installed by : Gestamp



### Lisa Airplane sponsorship

Provide cells for the first airplane to fly around  
the world using only renewable energy



### Italy -1.8MW

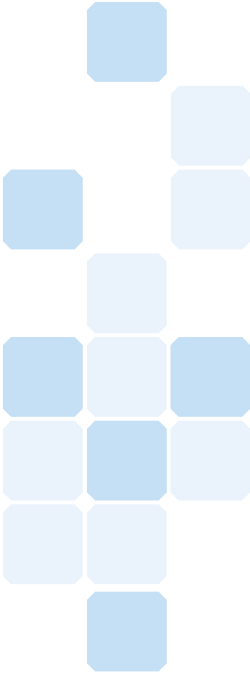
Largest roof mounted project in Italy  
Location : Serravalle Scrivia  
Installation Date : February 2009  
Application Type : Commercial  
Installation Type : Roof Mounted



### EXPO Belgium pavilion official sponsor

America's largest single rooftop installation,  
as of April 2009  
Location : Atlantic City  
Installation Date : March 2009  
Application Type : Commercial  
Installation Type : Roof Mounted





## ASIA PACIFIC

### CHINA

2, Tian He Road,  
Electronics Park, New District,  
Changzhou, Jiangsu, 213031  
China

T +86 519 8548 2008  
F +86 519 8517 6021  
E sales@trinasolar.com

### CHINA

Rooms 4706-4707,  
Plaza 66 Tower 2,  
1366 Nanjing Xi Road,  
Shanghai 200040  
China

T +86 21 6288 9779  
F +86 21 6288 9939  
E sales@trinasolar.com

### KOREA

B-912, Intellige 2,  
24 Jeongja-dong,  
Bundang-gu, Seongnam-si,  
Gyeonggi-do, 463-84  
Korea

T +82 31 782 1588-9  
F +82 31 718 8820  
E korea@trinasolar.com

### JAPAN

Trina Solar Japan Ltd  
Tokyo Branch  
World Trade Center Building  
33th Floor, 4-1 2-chome  
Hamamatsu-cho Minato-ku,  
Tokyo 105-6133  
Japan

T +81 3 3437 7000  
F +81 3 3437 7001  
E japan@trinasolar.com

### JAPAN

Osaka Sales Office  
21 Century Building 5F  
10-26, Toyotsu-Cho, Suita-Shi,  
Osaka, 564-0051  
Japan

T +81 6 6338 8380  
F +81 6 6338 8381  
E japan@trinasolar.com

## EUROPE

### GERMANY

Elisabethstrasse 91,  
D-80797 Munich,  
Germany

T +49 89 5908 2332  
F +49 89 5908 1200  
E germany@trinasolar.com

### ITALY

Via Santa Maria Valle 3  
20123 Milan  
Italy

T +39 02 00681521  
F +39 02 00681400  
E italy@trinasolar.com

### SPAIN

Paseo Castellana 141,  
8th Floor,  
28046 Madrid,  
Spain

T +34 91 572 6576  
F +34 91 572 6621  
E spain@trinasolar.com

### SWITZERLAND

European HQ  
Trina Solar (Schweiz) AG  
Leutschenbachstr. 45,  
8050 Zurich,  
Switzerland

T +41 43 299 68 00  
F +41 43 299 68 10  
E italy@trinasolar.com

## NORTH AMERICA

### U.S.A.

100 Century Center, Suite 340,  
San Jose CA 95112,  
USA

T +1 800 696 7114  
F +1 800 696 0166  
E usa@trinasolar.com