

Maximize Returns On Your Solar Projects

● Lower O&M Expenses

Long Lifespan / Low Degradation / Low Failure Rate

High Reliability

Industry-leading Cell Technology

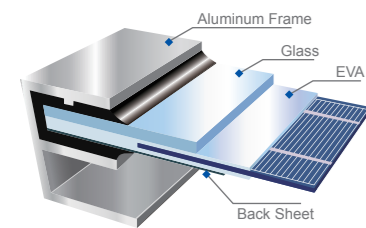
- World-class cell R&D staff and facilities, leading other manufacturers by 6-12 months in cell R&D since 2008
- The only company 100% implementing high-aspect-ratio double-printing in the industry
 - Addresses contact resistance and solderability optimization without compromising one or another
 - Less finger interruption
- Superior PID-resistant performance

High-quality Components from Best Suppliers

- EVA**
- High transparency, reliable quality
 - High durability against PID degradation and UV yellowing
- Back Sheet**
- Fluoride material ensures excellent resistance against harsh environment and low water vapor permeation
- Junction Box**
- Supplied by reputable tier 1 suppliers to reduce hot spot risks
 - Potted J-Box ensures excellent leak-proofness

- Glass**
- Closed Nanoscale structure AR-coating ensures excellent reliability and anti-soiling performance
 - High transparency, reliable quality
 - Excellent scratch resistance

- Aluminum Frame**
- Outstanding surface treatment technology and higher line density ensure strong corrosion resistance and mechanical strength
 - High salt & ammonia resistance



100% In-house Automatic Module Manufacturing to Guarantee Product Quality and Performance

Manufacturing Process, Quality, and Facility Certified by TÜV SÜD and ETL, and Third-Parties Agencies Including PI-Berlin and Solar-IF

Long-term Reliability Tests

- Mechanical load test 5400Pa to 10000Pa (about 2×IEC standard)
- HAST test DH1000 (85°C and 85% RH) to 121°C 3 times atmospheric pressure and 100%RH
- Thresher test (about 3×IEC standard)

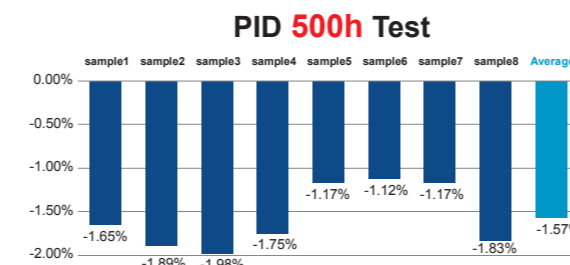
IEC Standard Test	Thresher Test
Thermal cycling, 200 cycles	Thermal cycling, 600 cycles
Damp heat 1000 hours	Damp heat 3000 hours
UV 15KWH	UV 45KWH
Humidity freeze 10 cycles	Humidity freeze 30 cycles
Hot spot endurance 5 hours	Hot spot endurance 20 hours

Environment Endurance Tests

Ammonia Resistance Test, Salt Mist Spray Test, SO2 Resistance Test, Dust and Sand Test, Hot-Dry Climate, Damp-Heat Climate, and Plateau Climate Conditions

100% Mass-production of PID-resistant Cells

PID-resistant Performance: Potential Induced Degradation



Excellent Quality Management System and Product Quality Assurance



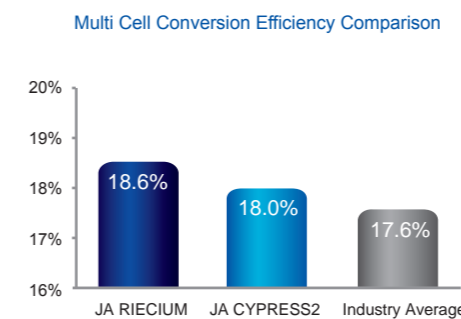
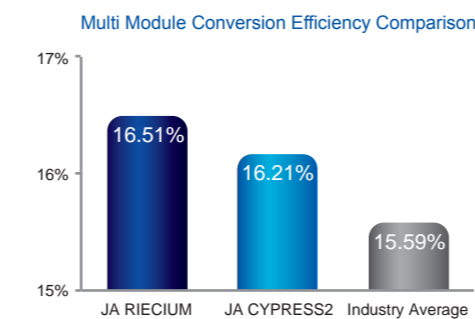
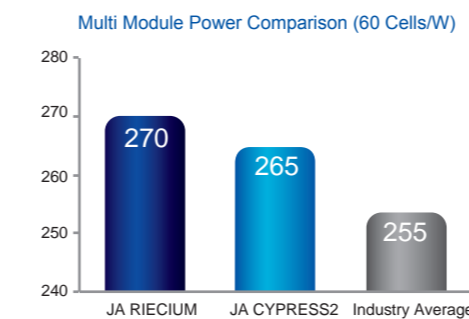
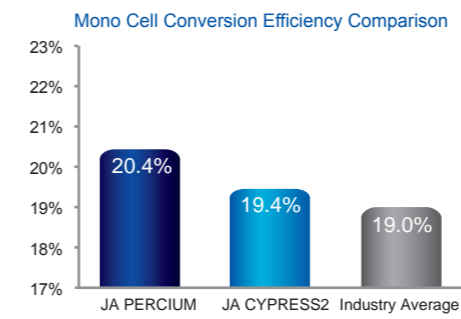
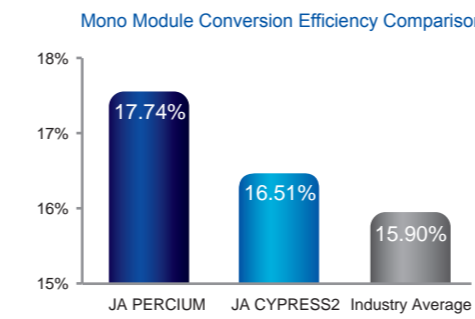
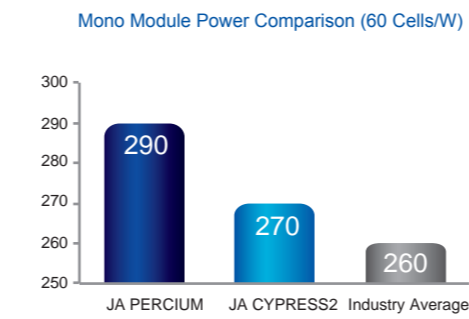
● More Power Output

Lower Logistics, Installation, Land and BOS Costs / More Power per M²

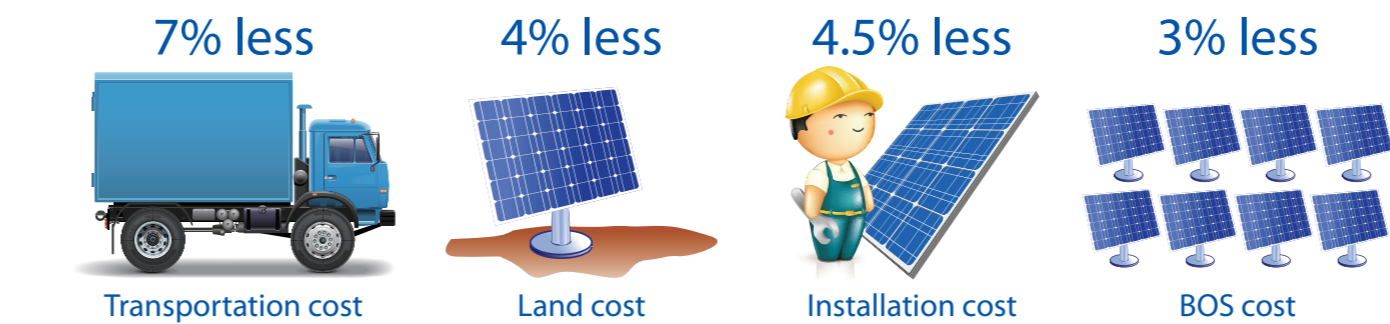
High Conversion Efficiency

100% Positive Power Tolerance:0~+5W

High Conversion Efficiency



High Conversion Efficiency Benefits



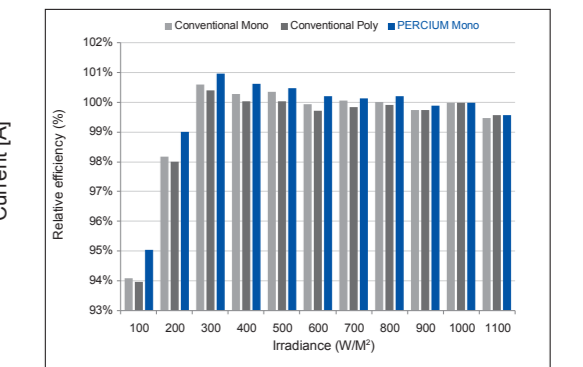
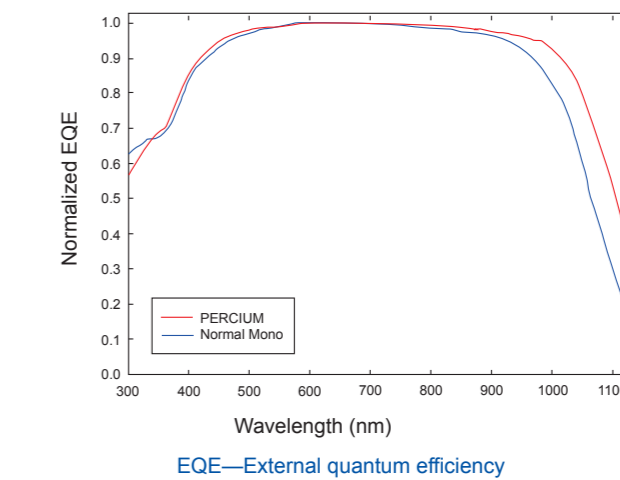
Note: Cost saving estimation is made by comparison between 255W and 275W modules

● Lower Construction Cost

Excellent Low-light Performance / Elaborated Module Current Rating

High Yield Efficiency

Outstanding Low-light Performance



Relative module efficiency comparison under different irradiance
Source: TÜV Rheinland

Elaborated Module Current Rating to Improve Yield Efficiency

The modules are classified into three current category.

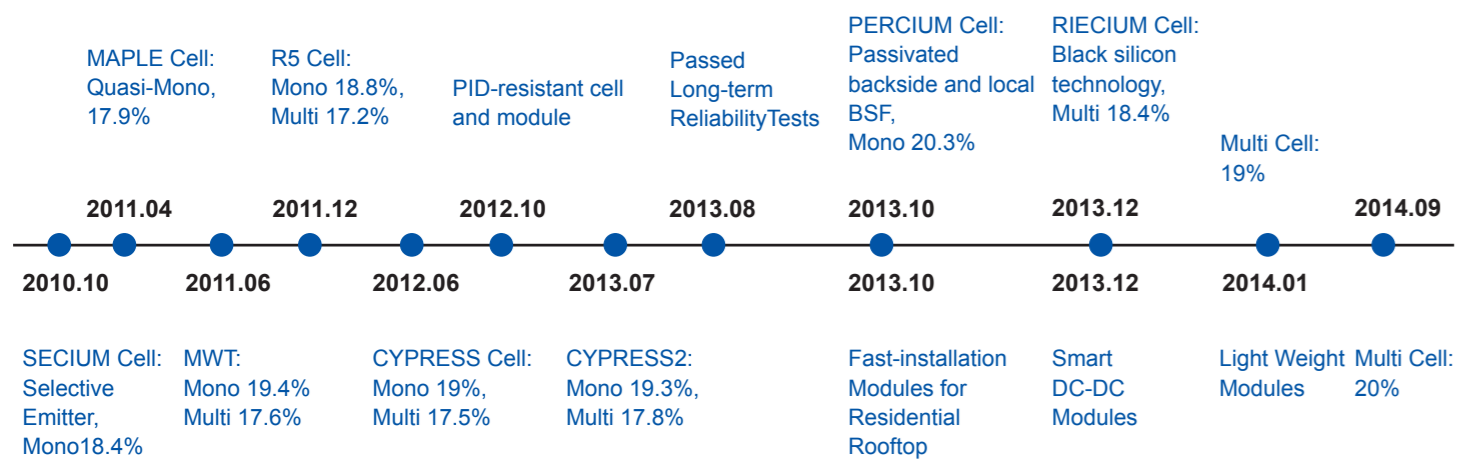
- Current class—H (high)
- Current class—M (middle)
- Current class—L (low)



Research and Development

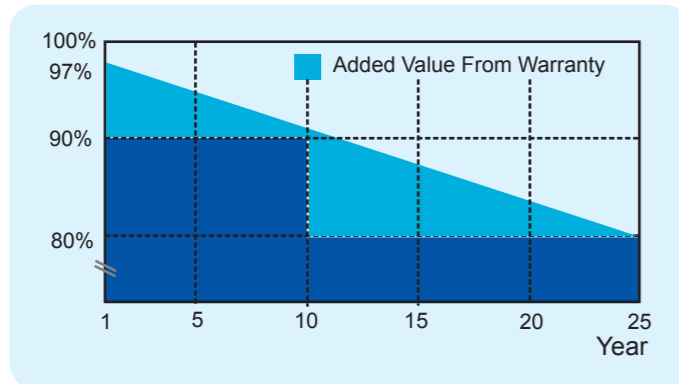
- Global leader of PV cell technologies through innovation and invention**
With its tremendous efforts spent on research and development in advancing PV technology through innovation and invention, JA Solar has firmly established itself as a globally recognized PV technology leader with a six-month to twelve-month leading edge ahead of the others. JA is very proud to be the first company in the world started mass producing and commercializing selective emitter, MWT, and PERC structured PV cells and applied double-printing technology to all cell manufacturing lines.
- Industry front runner of PV module performance based on proprietary technical approaches**
Relentlessly pursuing process optimization of PV modules assembly process and continuously improving their performance and reliability are the key engineering focus of JA Solar's extensive R&D efforts. Using proprietary technologies and various innovative approaches, in combination with its advanced cell technologies, JA Solar's PV modules consistently out-perform competitors' modules by 5-10watts in terms of power rating.

Product and R&D Milestones



Product Warranty

- 10-year warranty on materials and workmanship
- 25-year linear power warranty (80%)



Additional Insurance Options



JA SOLAR



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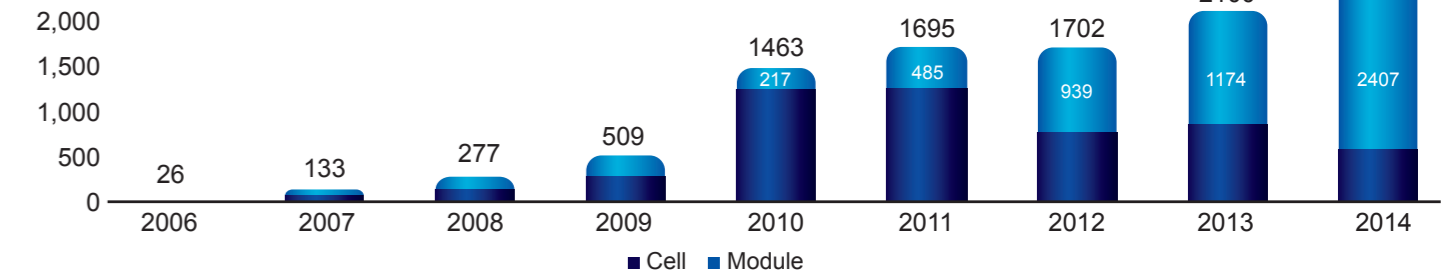


Harvest the Sunshine
Premium Cells, Premium Modules

Overview

JA Solar Holdings Co., Ltd is a world leading manufacturer of high-performance solar power products that convert sunlight into electricity, for residential, commercial and utility-scale power generation. The company was founded in May 2005 and publicly listed on the NASDAQ in February 2007. JA Solar has been the world's leading cell producer since 2010, and has firmly established itself as a tier 1 module supplier. Capitalizing on its strength in solar cell technology, it is committed to provide modules with unparalleled conversion efficiency, yield efficiency, and reliability to enable customers to maximize the returns of their PV projects. With its leading industry experience, continuous effort on R&D, customer-oriented service and sound financial conditions, JA Solar is your most trustworthy long-term partner.

11GW Cumulative Shipments



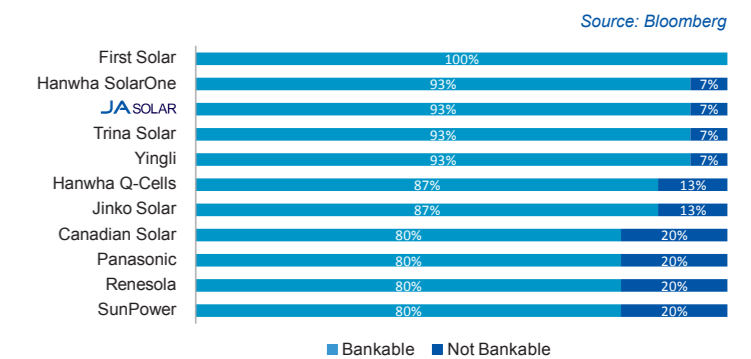
Tier 1 Module Supplier

- Module shipments doubled y-o-y and reached Top 5 in 2014
- Top 2 Chinese module supplier in Japan since 2012, No.1 in 2014

- Top bankable module brand by BNEF

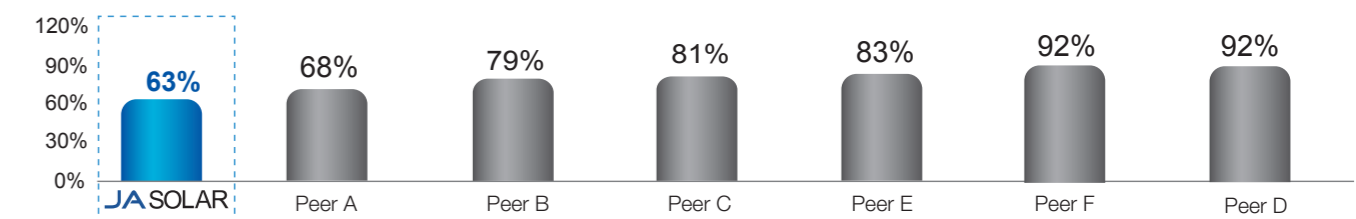
Top 10 Module Suppliers in 2014

2014	Supplier	Change From 2013
1	Trina	+1
2	Yingli	-1
3	CanadianSolar	0
4	Jinko	+1
5	JA SOLAR	+4
6	Sharp	-2
7	Renesola	-1
8	First Solar	-1
9	Hanwha	-1
10	SunPower	+1
10	KYOCERA	0



Solid Finance

Debt-to-Asset Ratio



Current Ratio

