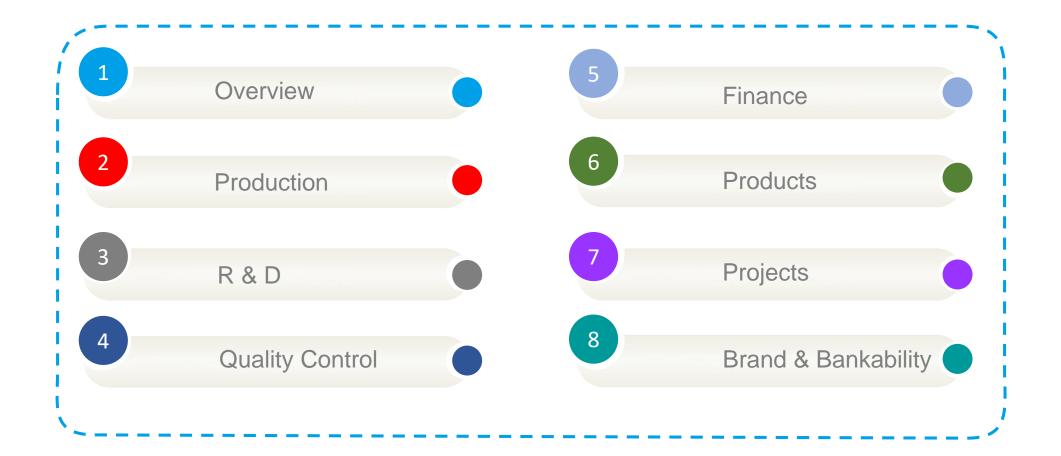


Company Presentation

2019

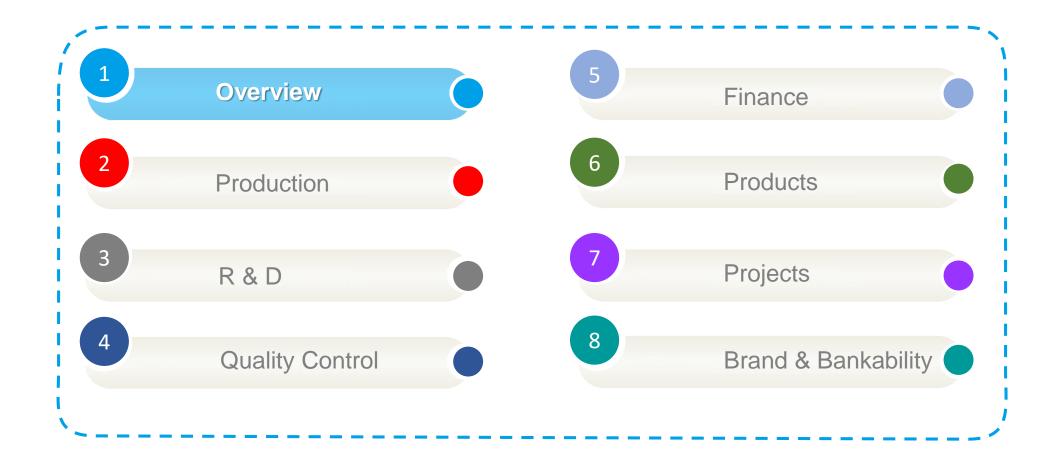


EGING PV





EGING PV





About EGing

Founded in 2003, in Changzhou, China

1 single manufacturing campus

Listed on the Shanghai stock market (SH600537)

2 GW module production in 2016 (0.6GW capacity planning)

\$800 millions of revenue in 2015 (NP \$36 millions)

2,700 employees worldwide



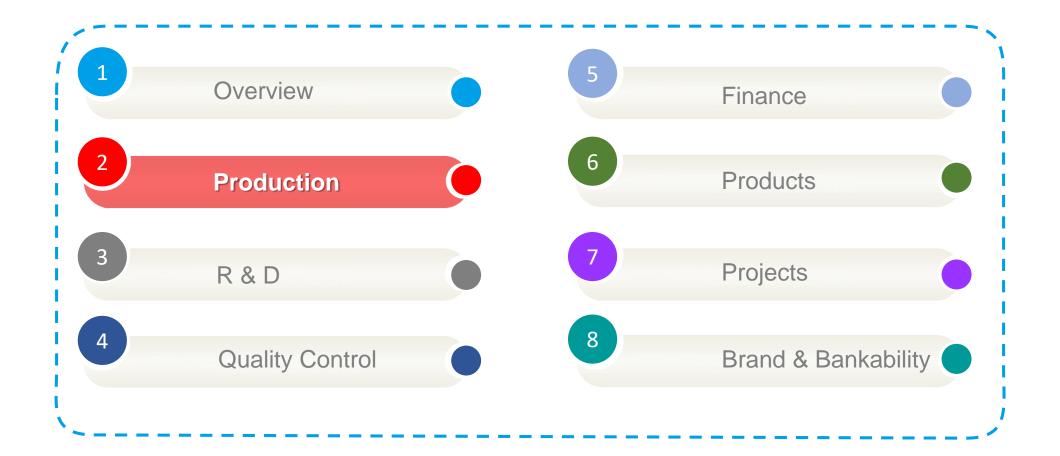


World's Most Advanced Fully Automated Module Line Vertically Integrated Production Chain





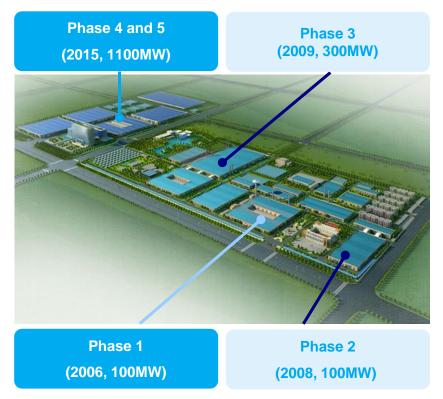
EGING PV



Production

.....

World leading Manufacturing



East Campus (Phases 1, 2 and 3)

- 500 MW production facility in a single location to offer increased utilization and efficiency
- Increased degree of vertical integration and automation from ingot, wafer, cell to module

West Campus (Phases 4 and 5)

- 500+600 MW fully automated production facility to offer European standard solar modules
- Vertical integration from ingot, wafer, cell to module

Integrated manufacturing capabilities allows better control of

☑ cost ☑ quality ☑ yield ☑ product development ☑ cycle time

.....



Fully automation

Equipped with the world's Most Advanced Fully Automated Module Lines from Reis Robotics Germany





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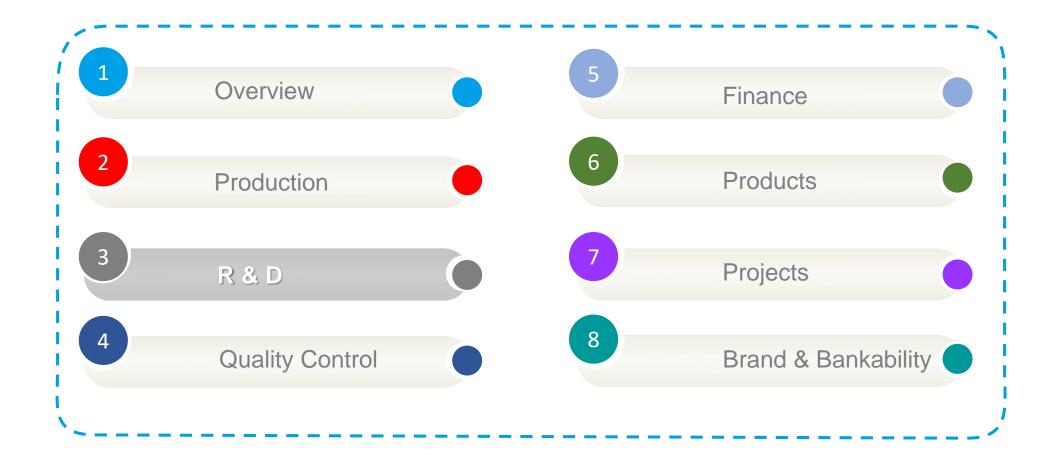
Vertical integration

Integrated from ingot, wafer, cell to module with each annual capacity 2GW



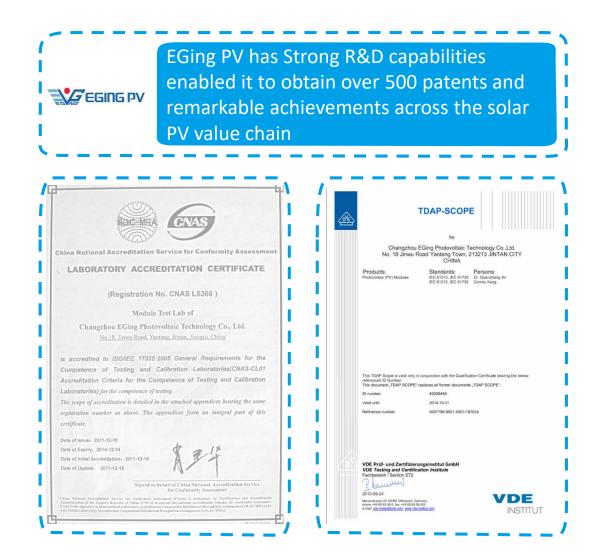


EGING PV





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Jiangsu EGing PV Engineering Research Academy was founded in 2006 with 300M RMB investment and covers 50,000 m².

"International Technology Cooperation Base" awarded by Ministry of Science and Technology of the People's Republic of China

In-house VDE certified testing Laboratory

In-house CNAS certified testing Laboratory

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R&D and Testing Center

The Power Behind! EGing PV Laboratory, which plays an important role to ensure the module reliable and durable





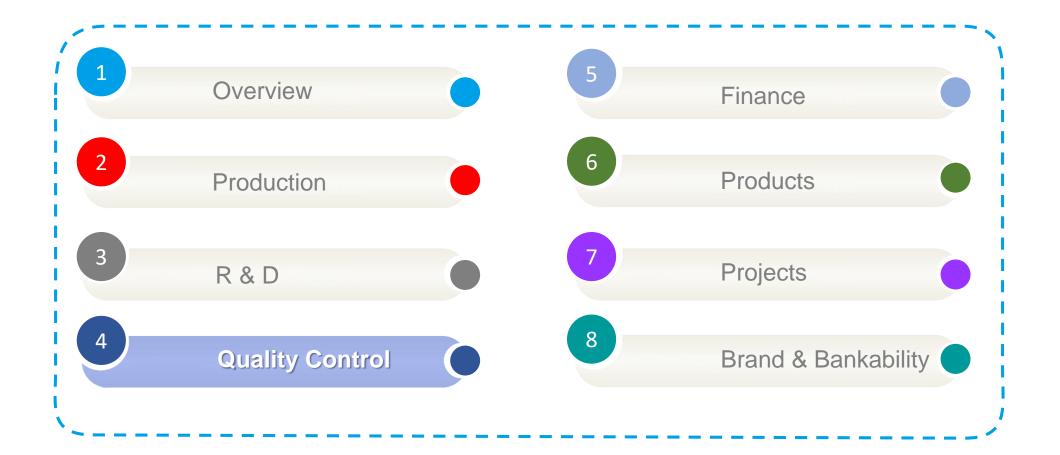








EGING PV



QUALITY CONTROL

Building Quality into all Aspects

EGing maintains one of the highest industrial standards for the design, performance, and workmanship of its solar products to ensure a reliable power supply of the PV system for well over 25 years



Every cell and module is subjected to at least 36 steps of the most stringent quality inspection procedures

Undergoes comprehensive in-house testing in the most advanced VDE certified testing lab for raw materials and modules

In-house tests extreme conditions such as tropical humidity, desert heat, coastal salt mist or agricultural ammonia enveloped atmosphere

Each module is subjected to 3 levels of EL test, after stringing, before and after laminating respectively to ensure free of micro-crack

Equipped with the world's best inspection equipment from Europe such as stringer, laminator, flash tester, EL tester etc

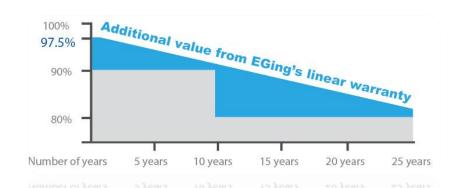


10 year product warranty



The warranty period for material defects and workmanship is 10 years from the date of delivery.

25 year performance warranty



Poly crystalline products: 2.50% degradation in the first year, and 0.70 % per year thereafter, ending at 80.70% in the 25th year after warranty start.

Mono crystalline products: 3.00% degradation in the first year, and 0.68% per year thereafter, ending at 80.18% in the 25th year after warranty start.



Strong strategy partners and materials suppliers





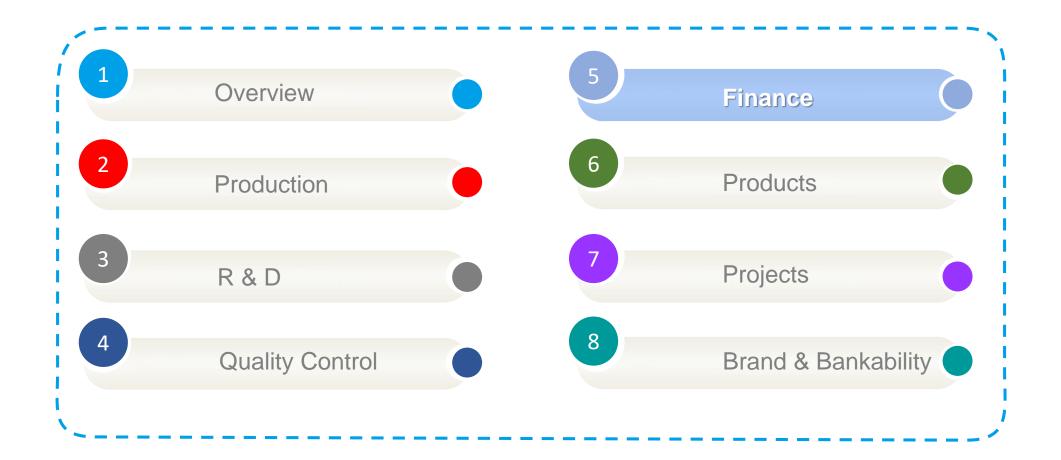








EGING PV

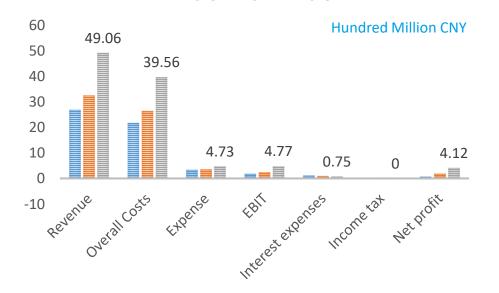






From the main indicators of income and balance sheet, EGing shows very strong increasing on sales and profit, and excellent debt-to-assets ratio

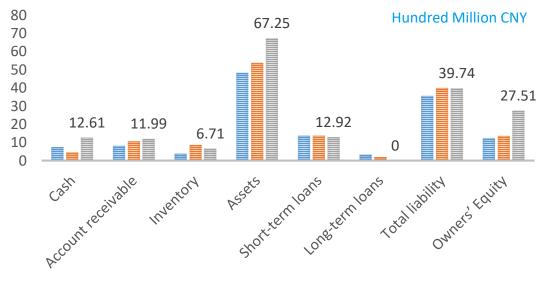
INCOME STATEMENT



■ 2013 ■ 2014 ■ 2015

BALANCE SHEET

■ 2013 ■ 2014 ■ 2015



Sources from BNEF

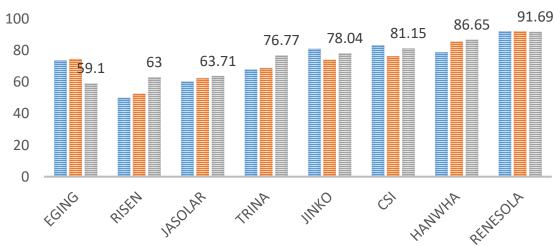






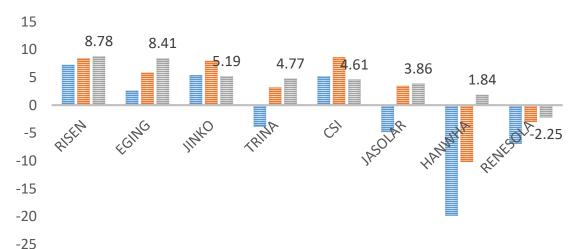
From the comparisons with other named tier1 makers, EGing ranked 1st on debt-toassets ratio and 2nd on net profit ratio in FY15

DEBT TO ASSETS RATIO (%)



■ 2013 ■ 2014 ■ 2015

NET PROFIT RATIO (%)



■ 2013 ■ 2014 ■ 2015





Finance

Altman-Z scores of selected solar companies, as of latest filing, February 2017. Eging was ranked the best.



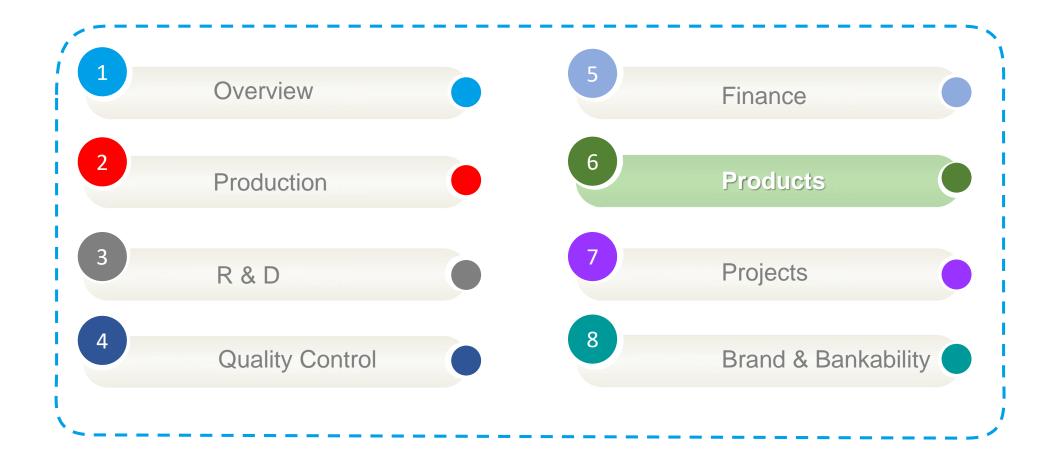
 The Z-score formula may be used to predict the probability that a firm will go into bankruptcy within two years.
A score below 1.8 means the company is probably headed for bankruptcy, while companies with scores above 3 are not likely to go bankrupt.

From the chart, most of the solar companies are at the low zone

Sources from BNEF



EGING PV



Products

.....



Rainbow Cells

Mono, up to 21.8% efficiency Poly, up to 20.8% efficiency

5BB-Design reduces cell series resistance and stress, improves the efficiency of modules

Application of double-printing technology to improves solderability

Excellent anti-PID performance

Lower Cell-To-Module loss

Technology Innovation

PERC 5BB







.....

Products

Rainbow Cell Roadmap

In 2Q15 EGing launched the commercial production of Rainbow200 high efficiency module production, cell efficiency 20.0% and panel efficiency 17.4%.

The next generation Rainbow218 is coming now, 21.8% of cell efficiency for mono

ROADMAP OF RAINBOW SERIES EFFICIENCY



🔳 MONO 📕 POLY



Poly Modules

Poly 60 cell: 265-285wp Poly 72 cell: 320-340wp



High Cost-performance

BOM materials all comes from tier1 manufactures to ensure the quality

100% in-house cells are used to lower the cost and make the panels more uniform

JV company with silver paste manufacturer in Japan and strategic relationship with DuPont

Long-term contract of polysilicon to lower the silicon cost per watt

PERC, **PID**-Free

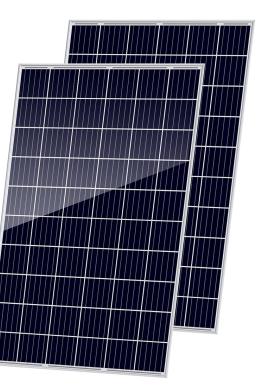
Fully automated production facilities using state-of-the-art plant technology from Germany

High Reliability

Three level electroluminescence (EL) tests guarantee fault-free modules

Double-printing cell processing to Lower contact resistance and optimize soldered connections

Excellent anti-PID performance





Mono Modules

Mono 60 cell: 275-285wp Mono 72 cell: 325-340wp



High Efficiency

Outstanding Cell efficiency 20.8%, Module 18.7%

Approx. 10% more power output per unit, >20Wp per panel than industry average

Reduction of land costs 8%, installation costs 6% and BOS cost 5%

<2% annual power degradation, PID test achieve the best level [Class A]



Premium, 20W>industry average

Fully automated production facilities using state-of-the-art plant technology from Germany

Three level electroluminescence (EL) tests guarantee fault-free modules

Double-printing cell processing to Lower contact resistance and optimize soldered connections

Optimized low-light output performance



Products

Janus I Modules (Double Glass)

Mono 60 cell: 290-300wp Poly 60 cell: 265-275wp



High Efficiency

Outstanding Cell efficiency 21.8%, Module 19.2%

Approx. 10% more power output per unit, >20Wp per panel than industry average

Reduction of land costs 10%, installation costs 9% and BOS cost 8%

<2% annual power degradation, PID test achieve the best level [Class A]



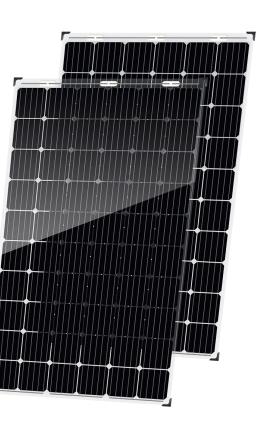
High Reliability

Fully automated production facilities using state-of-the-art plant technology from Germany

Three level electroluminescence (EL) tests guarantee fault-free modules

Double-printing cell processing to Lower contact resistance and optimize soldered connections

Optimized low-light output performance



Premium, 20W>industry average



Products

Janus II Modules (Bifacial Double Glass)

Mono 60 cell: 295-315wp Mono 72 cell: 340-370wp

High Efficiency

Outstanding Cell efficiency 21.8%, Module 19.2%

Approx. 10% more power output per unit, >20Wp per panel than industry average

Reduction of land costs 10%, installation costs 9% and BOS cost 8%

<2% annual power degradation, PID test achieve the best level [Class A]



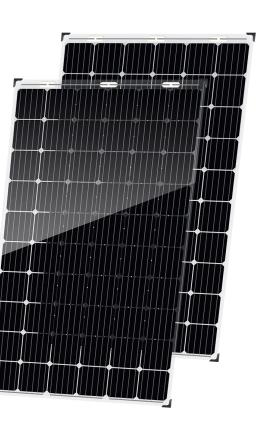
Premium, 20W>industry average

Fully automated production facilities using state-of-the-art plant technology from Germany

Three level electroluminescence (EL) tests guarantee fault-free modules

Double-printing cell processing to Lower contact resistance and optimize soldered connections

Optimized low-light output performance













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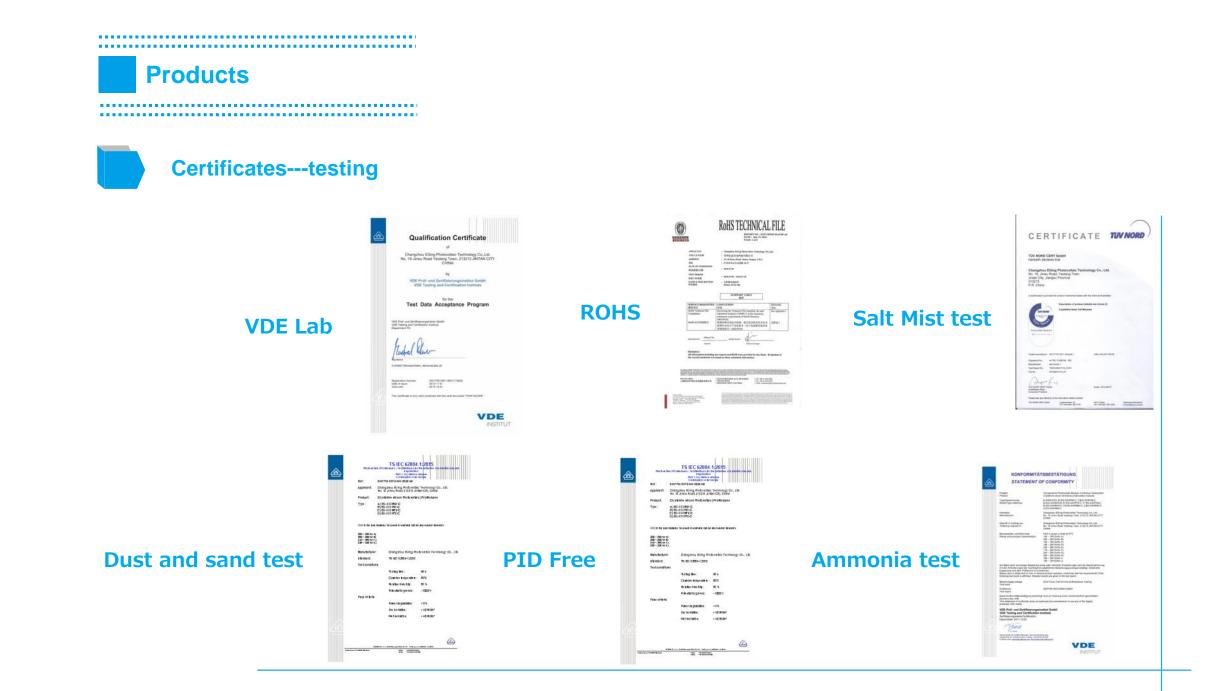
A















Certificates---management

OHSAS 18001



Certificate of Registration

10.1 10.0 10.0 10.0 10.0

BSI

QUALITY MANAGEMENT SYSTEM - ISO 3001:2008

the stopper

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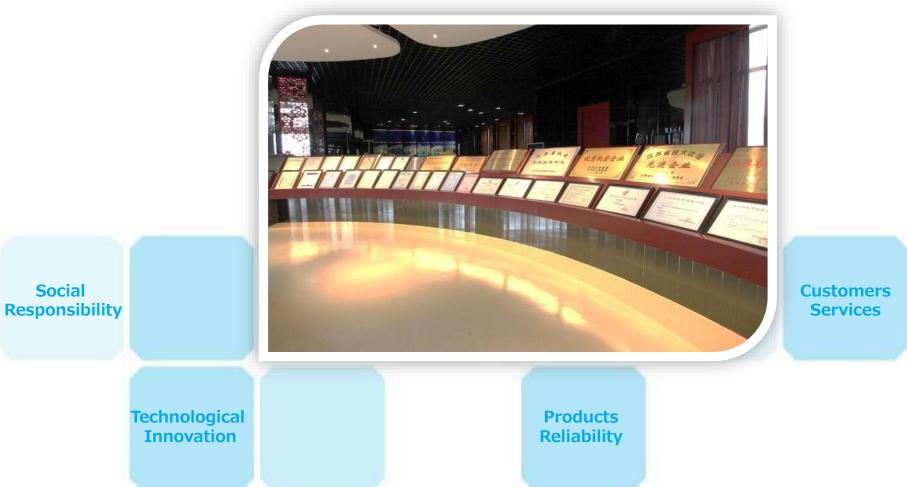
ISO 9001:2008





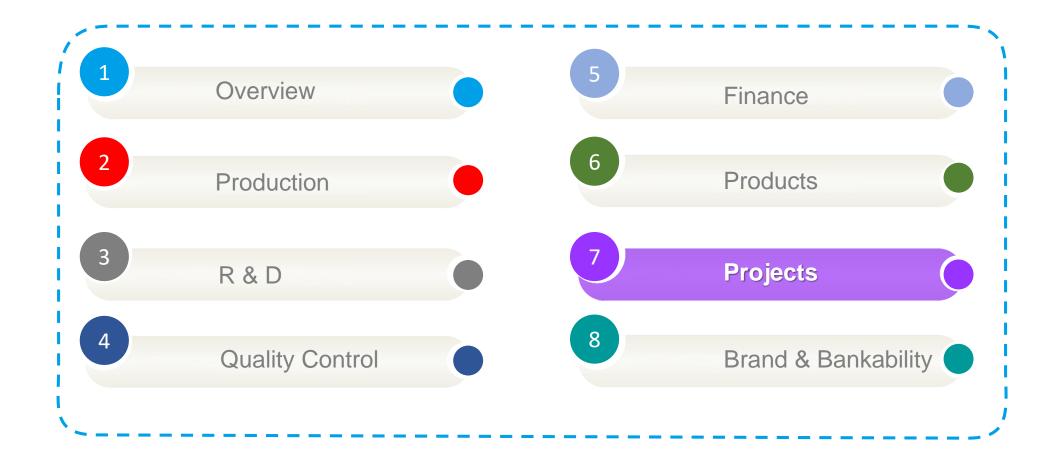








EGING PV









Worldwide installation



*Data till 1Q17 wafer and cell shipments are excluded





Case Study

EGing is supplying both its premium and standard panels to the utility, commercial and residential applications, explore more about it at <EGing Project References>



100MW, China Biggest fishery solar project in China Commissioned in 3Q15

Download

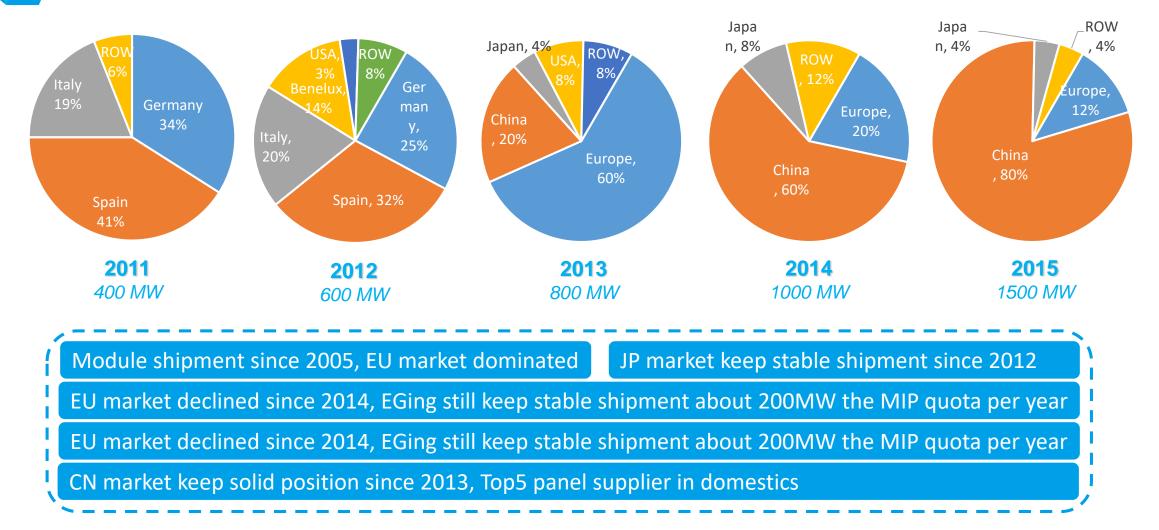




60MW, Denmark Biggest solar project in Denmark Commissioned in 1Q16

PROJECTS

Geographic Diversification



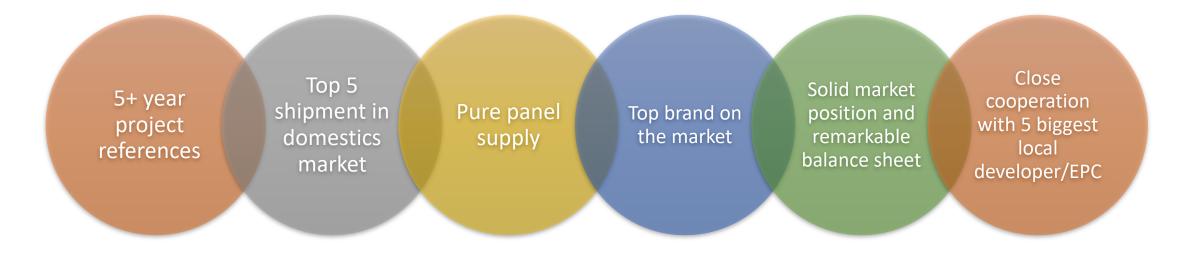






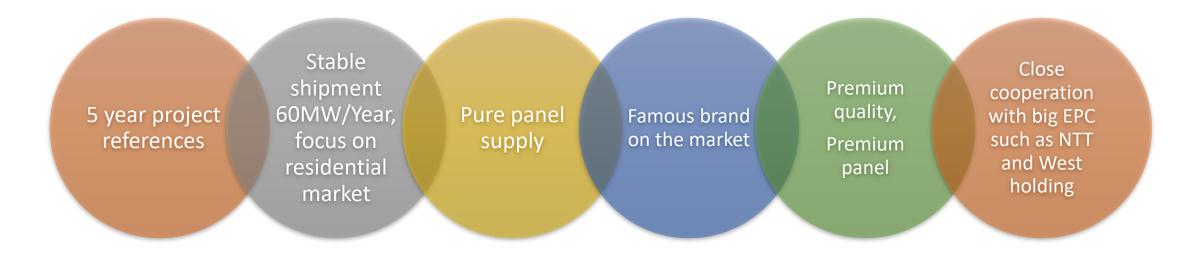












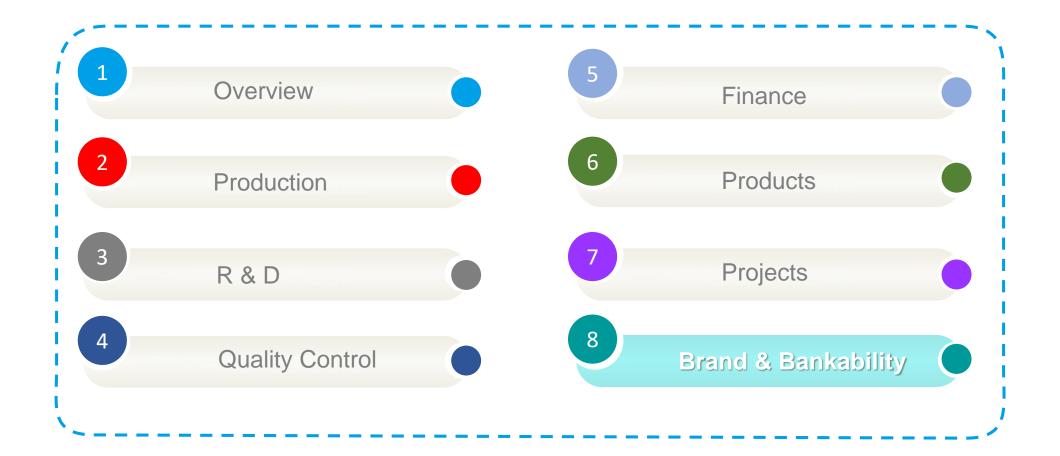


> Emerging market strategy opening the main market in India, South America, Middle East, South Asia





EGING PV









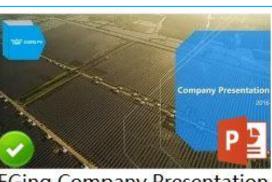








EGing Balance Sheet



EGing Company Presentation



EGing Leading Production

Thank you!



EGing Product Innovation



Cuality Control

EGing Quality Control

Explore more of the colorful EGing PV