

**BUILDING YOUR TRUST IN SOLAR. JINKOSOLAR** 



### THE MOST RELIABLE

As the world's population grows, energy demands are skyrocketing. While working to meet that demand, it's vitally important to provide clean energy sources that don't threaten the air we breathe and our other natural resources. Solar energy can provide a clean, efficient, and long-term solution. As solar technology has matured, the challenge is to harness the sun's power in the most reliable and cost effective manner in order to fulfill energy needs for decades to come. At JinkoSolar, we have a proven track record as the ideal partner for making the best photovoltaic (PV) modules and delivering unparalleled service on our way to becoming the most chosen module brand in the market.



# STRENGTH INTERNATIONAL STRENGTH INTERNATIONAL

JinkoSolar is a global leader in the industry, publicly listed on the New York Stock Exchange in 2010, and the PV module manufacturer of choice for developers, EPCs, installers, and financiers. Our vertically integrated manufacturing, financial stability, and operational efficiency have produced results that simply outpace the competition.



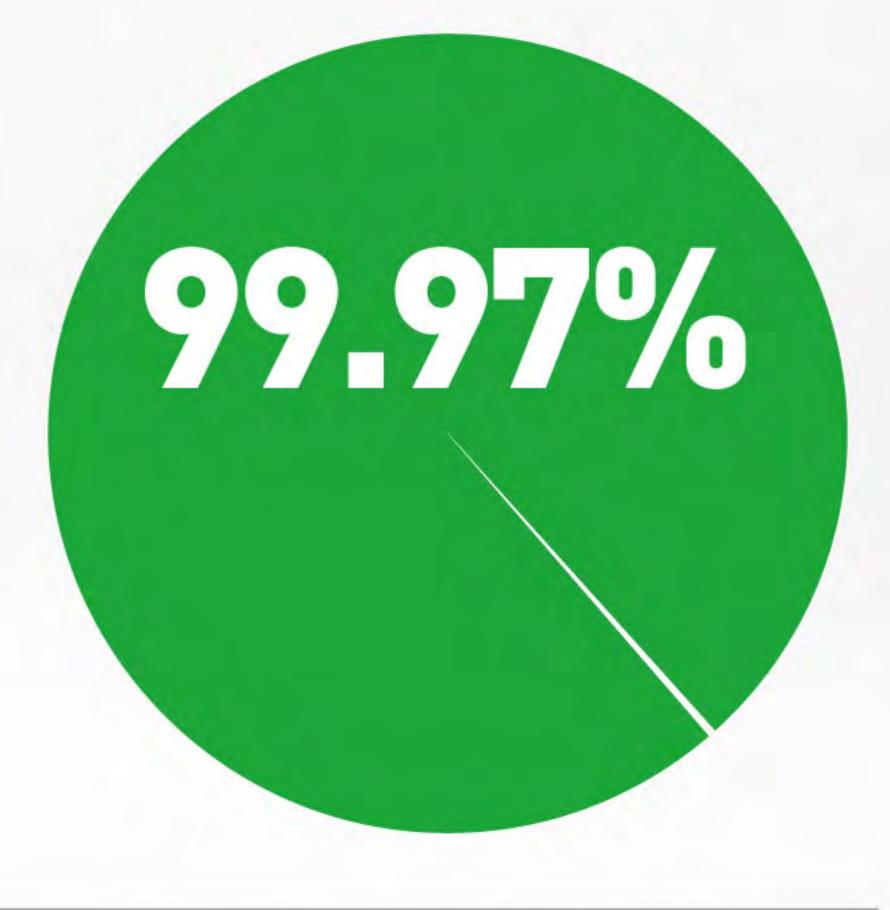




#1 in rooftop solar market share



99.97%
ON-TIME
DELIVERY
in Australia &
New Zealand



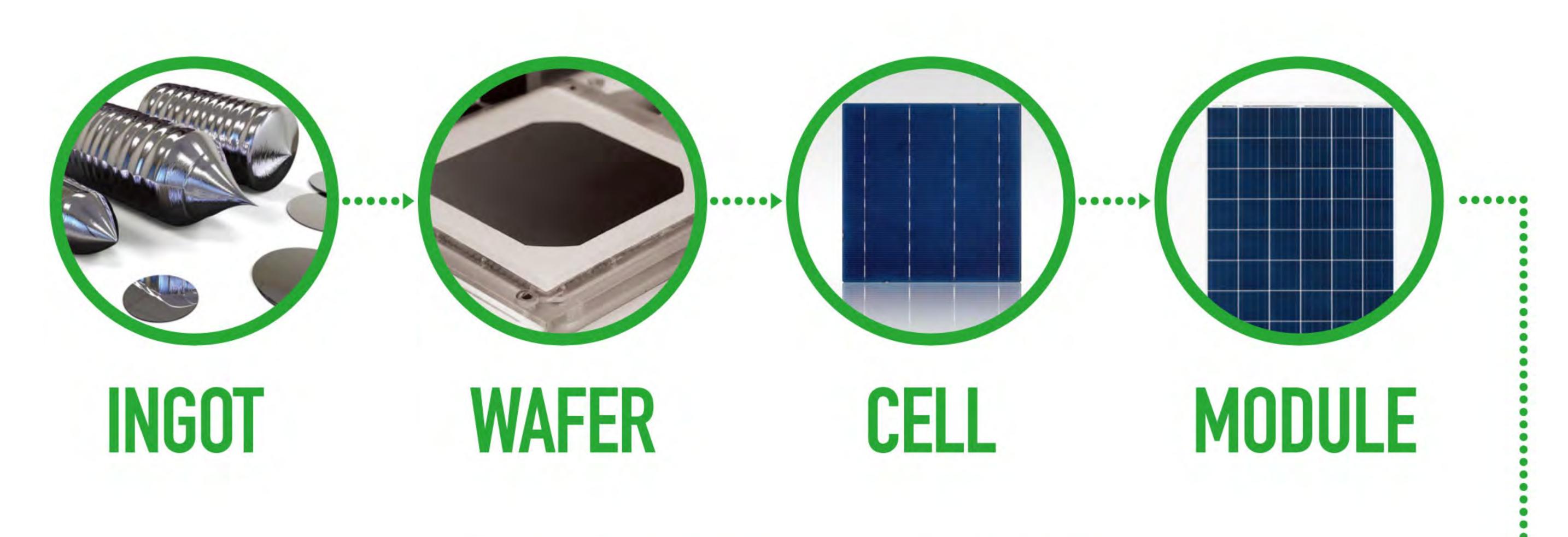
BLOOMBERG TIER 1
MANUFACTURER

ZERO

power warranty claims in Australia and New Zealand

## WE'VE REDEFINED "VERTICAL INTEGRATION" TO ENSURE AN UNMATCHED LEVEL OF PARTNERSHIP WITH OUR CUSTOMERS

We've redefined what it means for a solar company to be vertically integrated. Yes, it means start-to-finish in-house manufacturing of everything from growing the ingots, slicing the wafers and creating solar cells, modules, frames, connectors and junction boxes. But at JinkoSolar, we also integrate on-time delivery, unmatched service and unrivaled product reliability as part of our structure. Each part ensures that we remain fully connected to our customers and highly responsive to their needs.



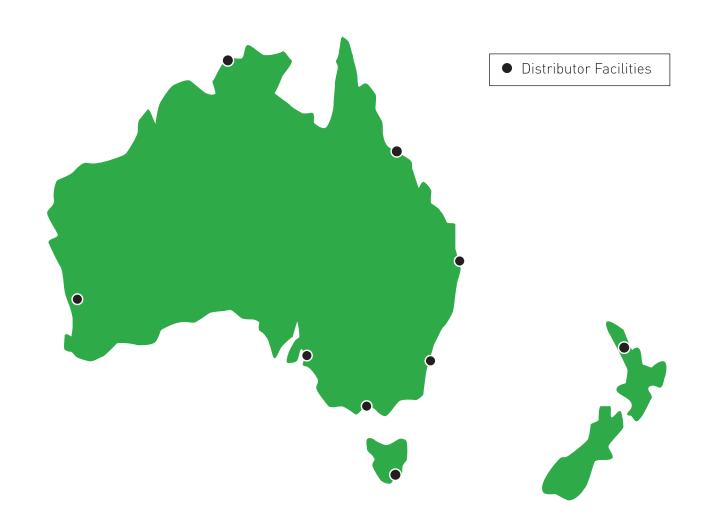
99.97% ON-TIME DELIVERY





### JINKOSOLAR NETWORK NATIONWIDE DISTRIBUTION PARTNERS

At JinkoSolar, we have a network of distributors across Australia and New Zealand strategically located to serve every state and territory in the country. Our distribution partners are volume suppliers of PV system components, enabling us to provide reliable delivery and service to all of our customers.





### GLOBAL IMPACT AT A GLANCE

- Global Sales Office
- Manufacturing Facility

### JinkoSolar Manufacturing Facilities:

- Haining, China
- Shangrao, China
  - grao, China C
- Penang, Malaysia
- Cape Town, South Africa
- Oliveira de Frades, Portugal

### **WORLDWIDE LOCATIONS**

Our worldwide logistics network ensures that modules arrive on-time and in pristine condition. In Australia we have dedicated warehouse facilities through our 3PL partner Yusen in Sydney, Melbourne, Brisbane, Adelaide and Perth. Because we understand that our customers in Australia value local service, we've built a full-service team focused on helping you grow your solar business whether in residential, commercial or utility scale solar.

Our Australian operations include sales, sales support, technical support, marketing, and business development. In all cases, we have the ability to make quick decisions and provide highly responsive customer service.

Jinko UTILITY | COMMERCIAL | RESIDENTIAL





Our workhorse modules can be used for all applications, including installations in regions of high temperature and high humidity or installations using transformer-less inverters. Eagle modules are available at up to 1500 volts, which helps reduce balance of system costs. Each is backed by a 10-year workmanship warranty and a 25-year linear power warranty.



### **EAGLE**

The Eagle modules consist of polycrystalline cells and set a new standard of reliability and performance for PV systems.

### Eagle 60 (JKM275PP-60)

Polycrystalline 60-cell module achieves a power output up to 275Wp

### Eagle 72 (JKM330PP-72)

Polycrystalline 72-cell module achieves a power output up to 330Wp

### **EAGLE PERC**

The Eagle PERC modules consist of high-efficiency, monocrystalline passivated emitter rear contact (PERC) cells. This high power module can help in space-constrained applications and reduces balance of system costs.

### Eagle PERC 60 (JKM310M-60)

With up to 310 Wp and 18.94 percent efficiency, it's the highest performing module of its kind.

### Eagle PERC 72 (JKM365M-72)

With up to 365 Wp and 18.82 percent efficiency, it's the highest performing module of its kind.



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### **EAGLE MX** WITH NEXT GENERATION SHADE TOLERANCE

The Eagle MX modules offer cell string optimization, creating improved tolerance to soiling and shading beyond the capabilities of traditional optimizers. This tolerance also allows tighter row-to-row shading, creating more compact systems on the roof and on the ground. **KEY BENEFITS** 

### Less expensive than traditional

- optimizers
- Proven better performance in shade
- Flexible string lengths, tilts, and orientations
- No external box; installs like a normal module



### Eagle Dual 60

White back plate maximizes module efficiency up to 16.72%, Transparent back plate, increases light transmission, ideal for installation requiring light pass through

Designed for high voltage systems of up to 1500 VDC, saving on BOS cost

<0.5% annual power degradation, 30 year linear power warranty

Entire module certified to withstand high wind loads (2400 Pascal) and snow loads (5400 Pascal)

Dual glass reduce micro-cracking, snail trails, corrosions caused by moisture, sand, salt mist, acid, alkali, etc.



### Jinko SolarEdge Smart Modules

Integrated optimizer mitigates power loss from panel-to-panel mismatch.

Provides more installation options for various roofs and orientation limitations.

Module level disconnects provide safety and regulation compliance.

Allows more modules per string reducing BOS costs and more efficient systems designs.

Please visit www.jinko-smart.com for more information.

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UTILITY | COMMERCIAL | RESIDENTIAL



Every customer prefers the highest quality product, and we have taken the extra steps to ensure that our modules are second to none. We have a rigorous in-house quality control standard, and each module passes all the TUV and IEC standards. We also invite the world's leading third-party institutes to audit our facilities, test our products, and help us to refine our state-of-the-art manufacturing process. As a result, JinkoSolar is the most-tested and validated brand, resulting in zero power warranty claims in the Australia.

### BUILDING QUALITY FROM THE BOTTOM UP

The ingot and wafer represent the base and the most important part of the module manufacturing process. Unlike other module manufacturers, we carefully produce our own ingots and wafers in-house. Using the latest silicon technology and advanced ingot seeding, only the highest performing wafers are produced and used for JinkoSolar modules. Advanced ICP-MS (inductively coupled plasma mass spectrometry) and PL photoluminescence testing ensure the utmost wafer quality.

We work closely with top financial institutions and key stakeholders in the solar industry. Publicly vetted by trusted industry third party laboratories, JinkoSolar is the fastest growing and most reliable PV module supplier in the Australia.

### **PROJECT REFERENCES**

Australia is perhaps the most rigorous market when it comes to the financing of solar projects small and large. Only a highly qualified manufacturer can succeed. We choose to let our results speak for us.

### Royalla Solar Farm

Location Royalla, ACT, Australia | System Capacity 24 MW | Completion September 2014



### Yulara Solar Project

Location Voyages Ayers Rock Resort, Australia | System Capacity 1.8 MW | Completion March 2016



### **Brisbane Markets**

Location Brisbane, Australia | System Capacity 1.06 MW | Completion October 2015





### **INDUSTRY LEADING PERFORMANCE**

DNV-GL

### PV Module Reliability Scorecard Report 2017



### DNV GL Solar PV Module Reliability Scorecare Report 2017

| Test<br>conditions | Test type                      | Thermal cycling | Dynamic<br>mechanical<br>load | Humidity-<br>freeze | Damp<br>heat | PID      |
|--------------------|--------------------------------|-----------------|-------------------------------|---------------------|--------------|----------|
|                    | Standard test                  | 200 cycles      |                               | 3 cycles            | 1000 hours   | 96 hours |
|                    | DNV GL test                    | 600 cycles      | 1000 cycles                   | 30 cycles           | 2000 hours   | 96 hours |
|                    | Top<br>performance<br>criteria | 2%              | 2%                            | 2.50%               | 1%           | 2%       |
| 2017               | JinkoSolar                     | Тор             | Тор                           | Тор                 | Тор          | Тор      |
|                    | T-company                      | Тор             | Тор                           | Тор                 | Тор          | Тор      |
|                    | Q-company                      | Lower           | Lower                         | Тор                 | Тор          | Тор      |
|                    | Y-company                      | Lower           | Тор                           | Lower               | Тор          | Тор      |

### THIRD PARTY TEST REPORTS



| Test results                                   |  | View product >  JA Solar JAP6-60-260/3BB                         | Solar JinKO  Building Your Trust in Solar  Jinko JKM250P-60-A |  | ***  | View product > Sunpower SPR-E20-327                              | View product > Suntech STP250-20Wd                               | View product > Trina TSM-260PC05A                                |
|--|--|--|---|--|--|--|--|--|
|  | View product > Canadian CS6P-250P  |  |   | View product ><br>Q-Cells Q.PRO-G3 255                           | View product >  Renesola JC260M-24/Bb                            |  |  |  |
|  |  |  |   |  |  |  |  |  |
| Test results                                   |  |  |   |  |  |  |  |  |
| Overall score (%) i                            | 89%  | 85%  | 91%   | 84%  | 84%  | 85%  | 89%  | 87%  |
| Measured average power outdoors 12 months i    | 236.2  | 239.9  | 238.4   | 234.4  | 239.3  | 301.7  | 236.1  | 242.8  |
| Measured average power outdoors 3 months (W) i | 234.7  | 235.4  | 234.7   | 229.5  | 235.4  | 298.1  | 231.4  | 239.5  |
| Measured power in lab when new (W) i           | 250  | 252.6  | 254,7   | 250.3  | 251  | 322.2  | 247.8  | 256.5  |
| Yield per 1000W by label 12 months (W) i       | 944.7  | 922,8  | 953.8   | 919.4  | 920.6  | 922.5  | 944.4  | 934  |
| Yield per 1000W by label 3 months (W) i        | 938.6  | 905,4  | 938.6   | 900.1  | 905.5  | 911.6  | 925.5  | 921  |
| Efficiency (%) 1                               | 15.8%  | 15.5%  | 15.8%   | 15%  | 15.4%  | 19.8%  | 15.2%  | 15.7%  |
| Comments                                       |  |  |   |  |  |  |  |  |
| Good points                                    | <ul> <li>Very good performance<br/>across 12 months of<br/>outdoor testing.</li> </ul> | Very good performance<br>across 12 months of<br>outdoor testing. | No.1 performance<br>ratio in a 12-month<br>field test.        | Very good performance<br>across 12 months of<br>outdoor testing. |
| Bad points                                     | Nothing in particular.   | Nothing in particular.   | Autor difference in actual operating                          | Nothing in particular.   |
| Specifications                                 |  |  | conditions in the field                                       |  |  |  |  |  |
| Claimed nominal power (W) i                    | 250  | 260  | 250   | 255  | 260  | 327  | 250  | 260  |
| Claimed power tolerance i                      | 0 to +5W   | 0 to +5W   | 0 to +3%  | 0 to +5W   | 0 to +5W   | D to +5%   | 0 to +5%   | 0 to +3%   |
| Width (mm)                                     | 980  | 991  | 990   | 1000   | 992  | 1045   | 992  | 991  |
| Length (mm)                                    | 1638   | 1650   | 1650  | 1670   | 1640   | 1558   | 1640   | 1650   |





### BUILDING A BETTER FUTURE WITH OUR VALUED PARTNERS

We work with a variety of partner companies to ensure that our customers have access to state-of-the-art materials, as well as financing options that can make solar a feasible, cost-effective reality.



We are the first to successfully incorporate solar optimizer chips by Maxim Integrated directly into the junction box. Maxim's highly integrated DC-DC converters optimize MX modules to perform cell-string level maximum power point tracking (MPPT), improving tolerance to soiling and shading, harvesting more power in challenging conditions, allowing increased design flexibility, and enabling denser rooftop and ground-mount system designs.

### maximintegrated.com



photovoltaics.dupont.com

We signed a strategic collaboration agreement with DuPont to ensure that our customers have access to PV modules built with the most advanced materials. The leading specialty materials supplier to the solar industry, DuPont products are incorporated into JinkoSolar modules to boost their power output and long-term durability. By incorporating DuPont materials, we are able to provide customers with products that protect their investment.

### **Ygrene**

We've partnered with Ygrene Energy Fund to offer YgreneWorks™—a no money down, 100% PACE financing program designed to make owning solar more affordable than ever before. Eligibility is based on available property equity, and with ExtendPay, make no payments until December 2018.

### ygreneworks.com/jinkosolar

