



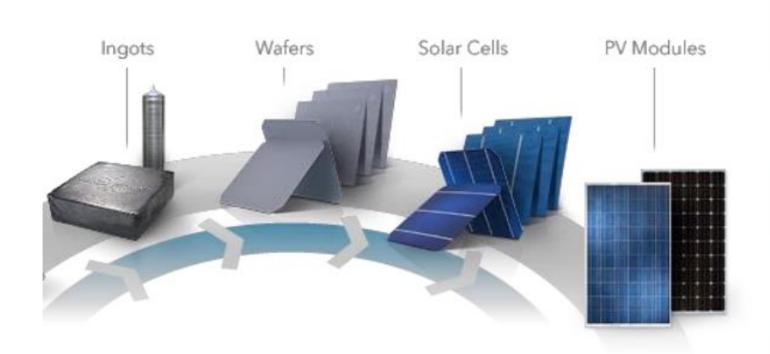


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JinkoSolar Value Chain





Quality Guaranty along the complete value chain



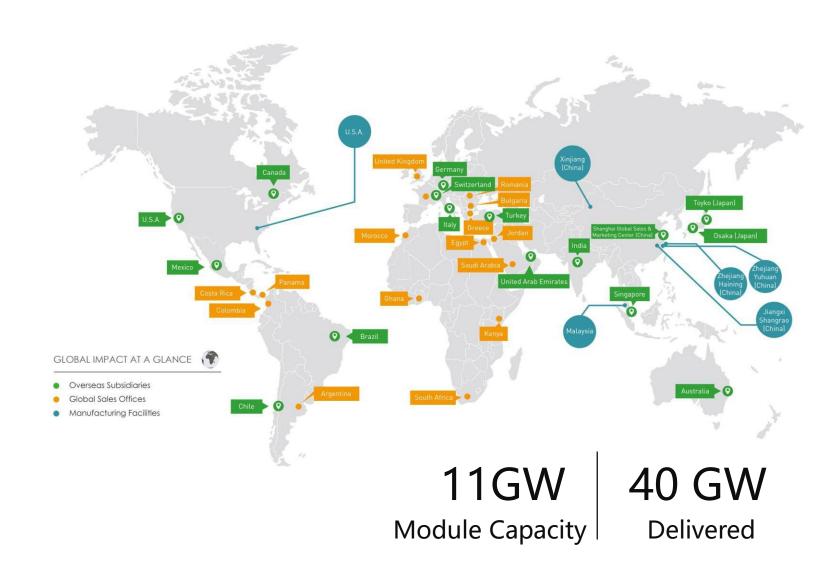
Ideal supply chain mgmt. with top-class components



Optimized cost structure with 10 years of experience

Global Presence





6 Global factories

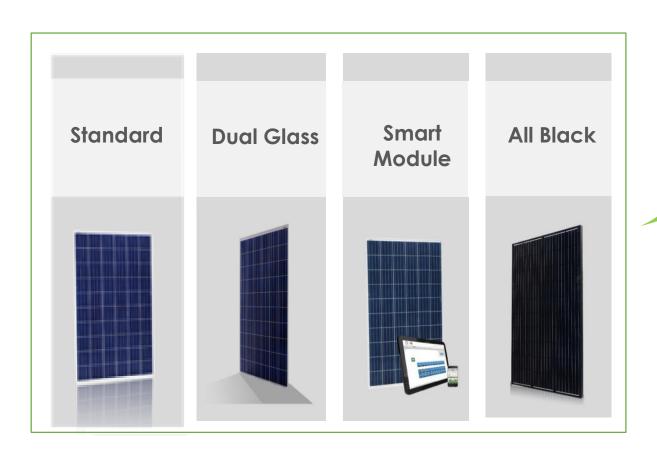
30 Subsidiaries/ offices

90 Countries with customers

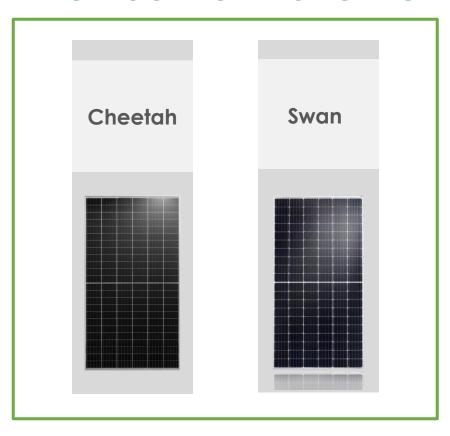
12,000 Employees

Products Development





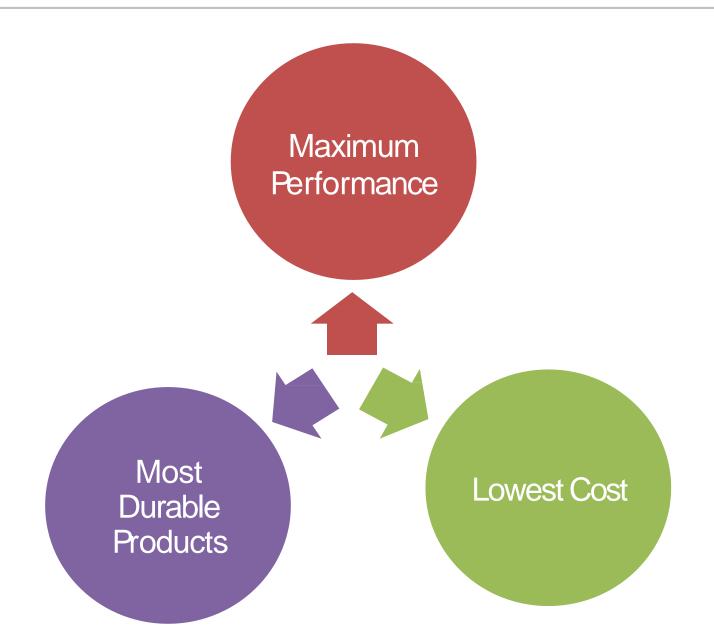
HIGH OUTPUT MODULES





Conflicting Demands





HOW TO DECIDE?















Levelized cost of electricity (LCOE)



PV module costs (price of KW)

BOS costs

Financing costs

Land costs

0&M

Installation

Logistics and shipping

Taxes and incentives

$$LCOE = \frac{Total\ Life\ Cycle\ Cost\ (\$)}{E}$$

Total Lifetime Energy Production (kWh)

Performance

Efficiency

Annual degradation

Warranty

Temp coefficient

Reliability

Positive tolerance

2019 PV MODULE RELIABILITY SCORECARD - PV Evolution Labs (PVEL)



"increasing the annual module degradation rate from 0.5% to 1.5% will cause the site's real Levelized Cost of Electricity (LCOE) to increase by 13.6%"

"a poll conducted by PVEL where 70% of survey respondents replied that an underperformance of 3-6% is enough to render their projects financially nonviable"

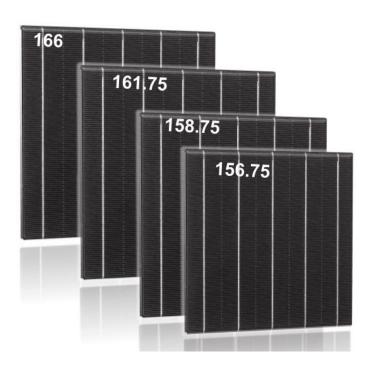




Industry leading Large Cell technology (158.75mmx158.75mm)

Avg. 8Wp power up compared to 156.75mm Mono PERC





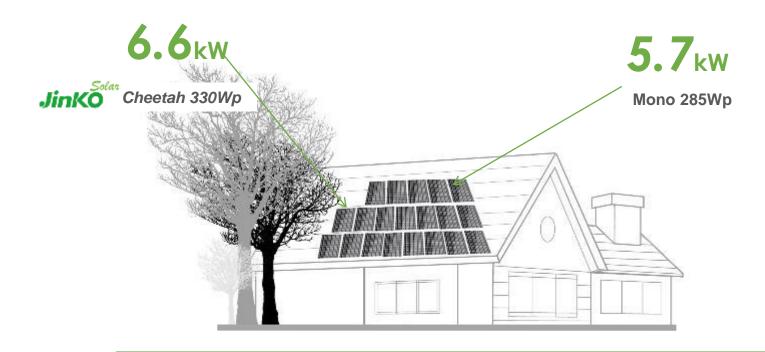
Product	Cell	Cell	No. of	Module
Type	Type	Dimen.	Cells	Dimen.
Mono	Mono	156.75x	72	1956x992
PERC 72	PERC	156.75mm		x40mm
Cheetah 72	Mono PERC	158.75x 158.75mm	72	1979x1002 x40mm

Benefits of JinkoSolar Cheetah



Higher Power and Module Efficiency

* The capacity of a solar power system with 20 module (60 Cells)

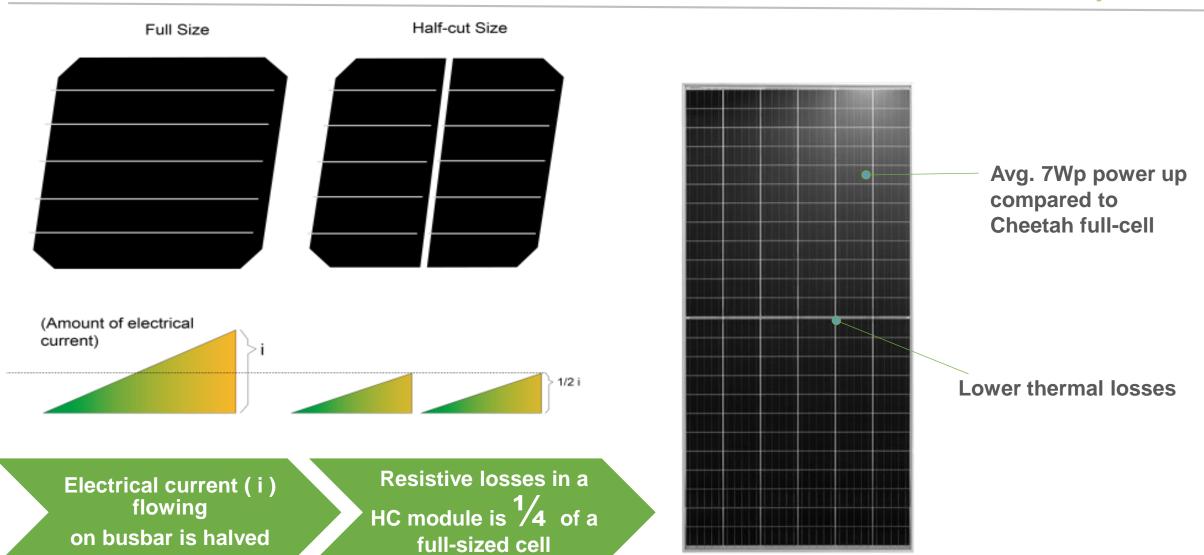


- Higher module output power to maximize installed Wp
- Save PV array space for future system expansion



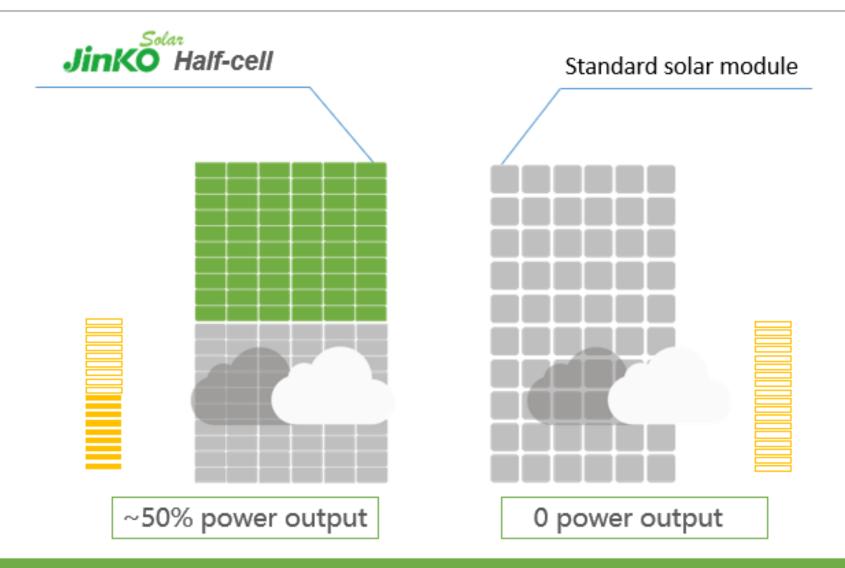
Half Cell Technology





Advantages of Half cell

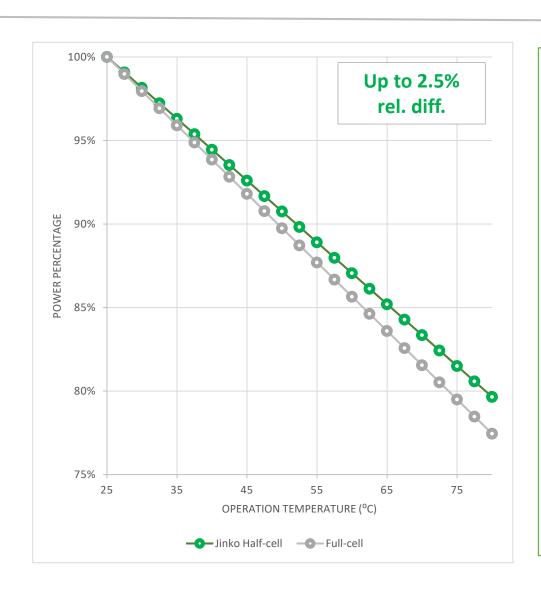




Lower shading losses of HC compared to normal module, in certain shading conditions

HC Technology advantages: Temp. Coef.





Same nameplate power: 400 Wp Mono-Si Module

Op. Temp.: 65 °C

Conventional \rightarrow -0.40% \rightarrow 336Wp Half-cell \rightarrow -0.36% \rightarrow 342Wp

Difference > 2% rel.

Superior Power Generation at Higher Temperatures

Benefits of JinkoSolar Cheetah



PROJECT	Pro.1	Pro.2
Project Capacity (MWp)	Mono	Cheetah
Module Power (Wp)	380	400
Power Warranty (year)	25	25
Temperature Coefficiency of Power (%)	0.39	0.37
First Year Degradation (%)	3	3
Annual Degradation (%)	0.7	0.7
ANALYSIS RESULTS		
LCOE (US cent/kWh)	7.08	7.00
IRR	9.04%	9.35%

Project Location: Los Angeles,

USA

Project Capacity: 100MW DC

Latitude: 34 Deg.

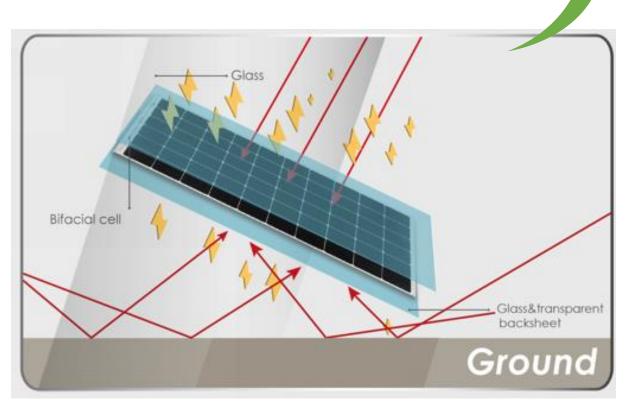
Longitude: -118 Deg.

Installation Type: Fixed

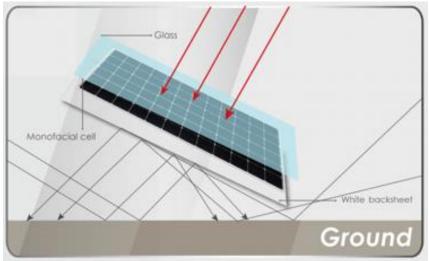


Bifacial Introduction





Power generation gain up to 20%



Bifacial: Double power generation

Monofacial: Single power

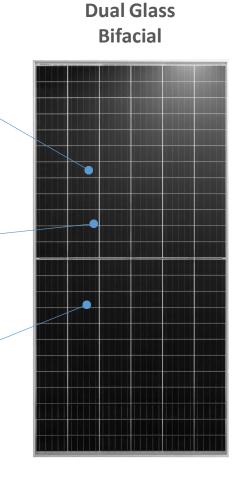
Bifacial Introduction



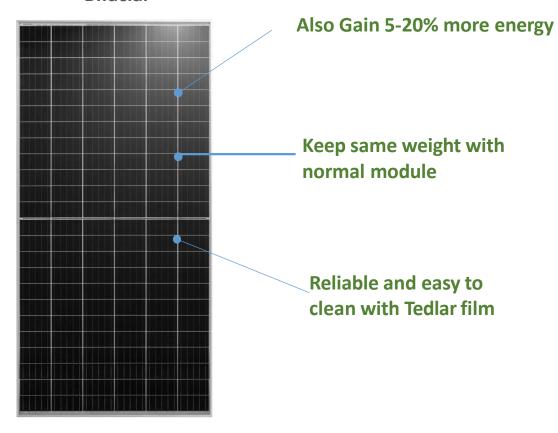
Advanced 158.75 square cell to achieve higher power and efficiency

Combining with HC to low risk of hot spot because of higher current

Gain 5-20% more energy to improve IRR



Transparent Back Sheet Bifacial













Innovative Technology



JinkoSolar Wins Intersolar Award 2019 for its Swan Bifacial Module

MUNICH, May 17, 2019 — JinkoSolar Holding Co., Ltd. (the "Company," or "JinkoSolar") (NYSE: JKS), one of the largest and most innovative solar module manufacturers in the world, today announced that it won the Intersolar Award 2019 in the Photovoltaics category for its Swan bifacial module with transparent backsheet from DuPont.











Benefits of Transparent Backsheet



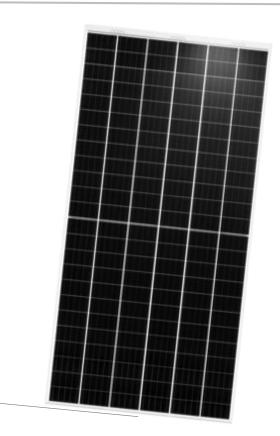
Weight Lighter

Installation Standardized

BOS Cost Cheaper

Energy Gain Equal

Warranty 30-year lifetime



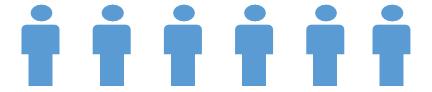
Bifacial with Transparent backsheet

2031×1008×40mm 23.3kg Bifacial with Dual glass 2031×1008×40mm 31.8 Kg

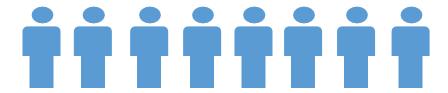
Labor cost saving



Bifacial with transparent backsheet



Bifacial modules with dual glass









Case Study - 100MW



* Location of the Project: 100MW Ground Mounted Top Runner Project in Weinan, Shanxi	Monofacial With Tracking System 380W	SWAN With Tracking System 415W
Initial Year Productivity (MWh)	134,184	146,370 ↑
LCOE (yuan/kWh)	0.248	0.239 ↓
IRR	11.07%	12.17% ↑

Case Study - 100MW



* Location of the Project: 100MW Ground Mounted Top Runner Project in Weinan, Shanxi	Bifacial With Tracking System 415W	SWAN With Tracking System 415W
Initial Year Productivity (MWh)	145,990	146,370 ↑
LCOE (yuan/kWh)	0.244	0.239 ↓
IRR	11.50%	12.17% ↑

