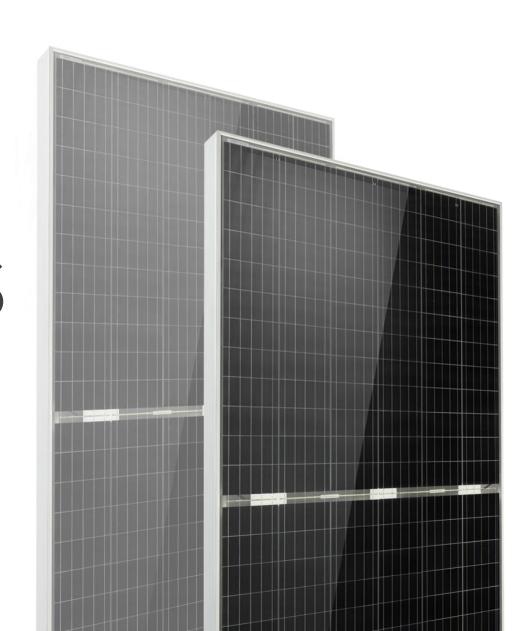
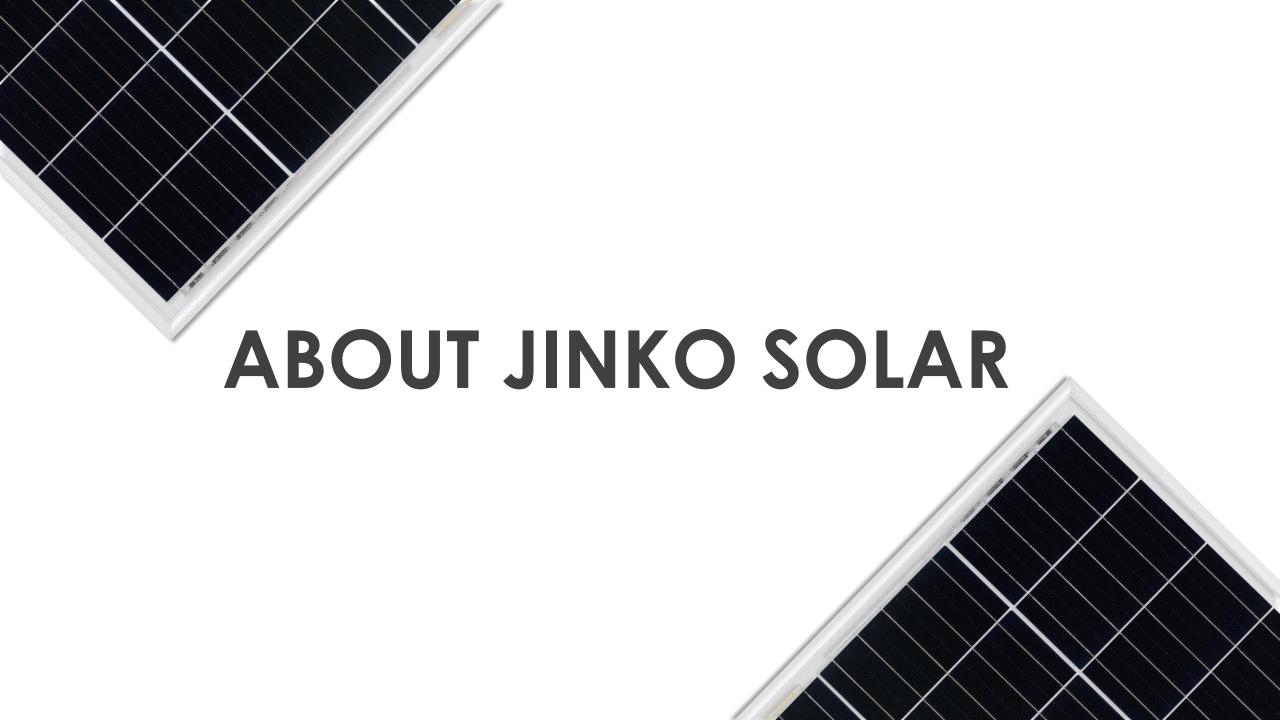


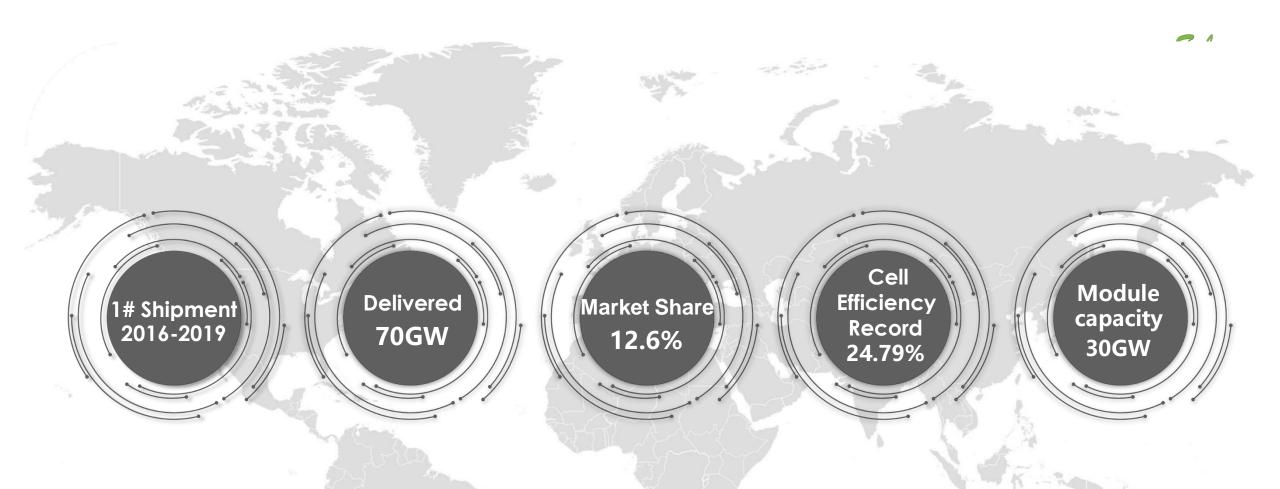
ABOUT JKS

BOM CONCERNS

RELIABILITY TESTS







11 Global Factories | 30+ Service Centers100+ Covered Countries | 8000+ Annual Orders

# Robust Quality Certified









### **Product Portfolio**



#### Tiger Pro Mono-facial

- Up to 410 Wp
- 66 cells
- 163 mm wafer
- Efficiency up to 21.48%
- 25 Year Linear Power Warranty

#### Tiger Mono-facial

- Up to 475 Wp
- 78 cells
- 163 mm wafer
- Efficiency up to 21.16%
- 25 Year Linear Power Warranty

#### Tiger Pro Mono-facial

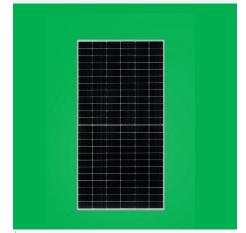
- Up to 415 Wp
- 54 cells
- 182 mm wafer
- Efficiency 21.30%
- 25 Year Linear Power Warranty

#### Tiger Pro Mono-facial

- Up to 550 Wp
- 72 cells
- 182 mm wafer
- Efficiency 21.33%
- 25 Year Linear Power Warranty

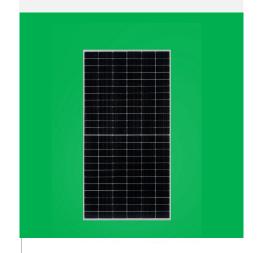
#### Tiger Pro Bifacial

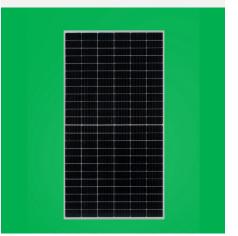
- Up to 545 Wp
- 72 cells
- 182 mm wafer
- Efficiency 21.13%
- Dual Glass or TB
- 30 Year Linear Power Warranty



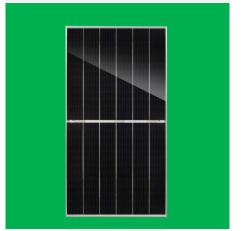








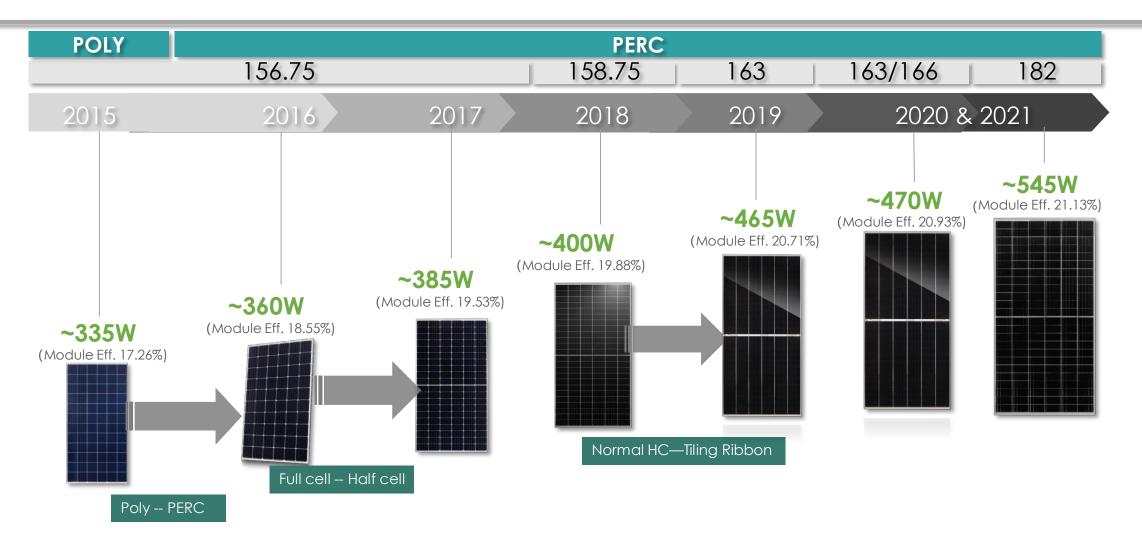






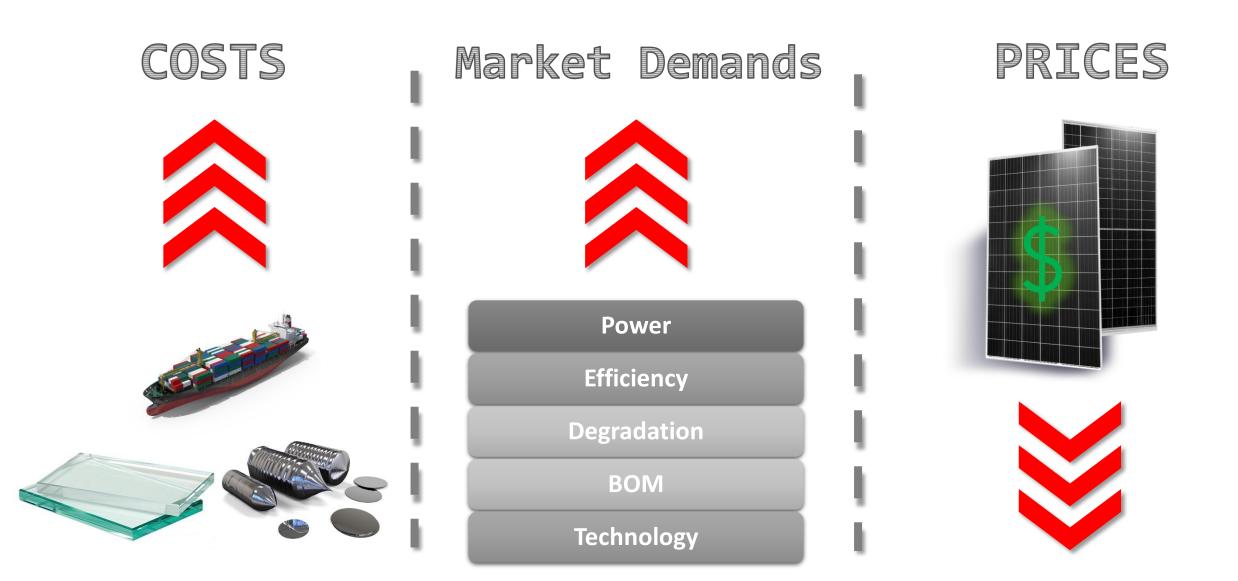
## Product Roadmap - Power





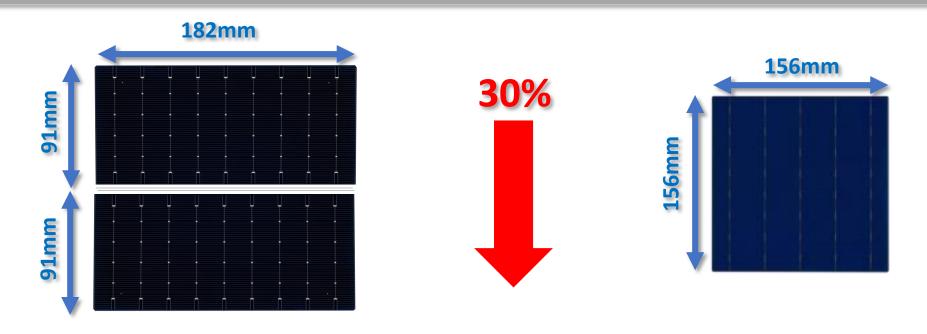
# Triple Challenge





### Cells





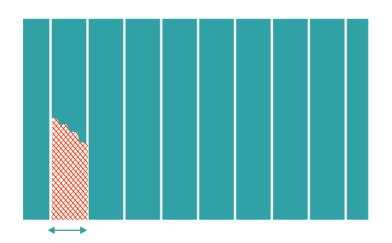
- The adoption of half cut technology (and in some cases third cut) and MBB for big wafers have improved the mechanical strength and reduced the possibility of having micro-cracks.
- ❖ The M10 half cell is 30% smaller than the M0 full cell.
- The 3.2mm glass used for mono-facial modules provides very strong protection to the solar cells

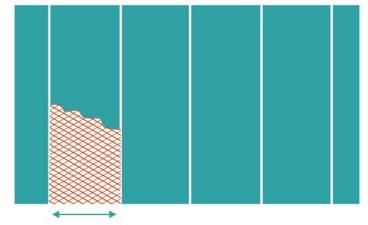
### **Busbars**



### **Multi-Busbar Technology**

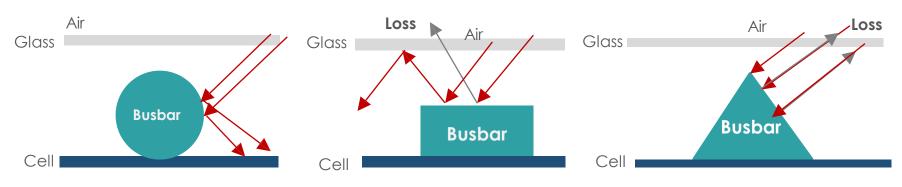
- Cell efficiency increased by 0.4%
- current path decreased by 50%
- Lower micro-crack risk





#### Circular Ribbon

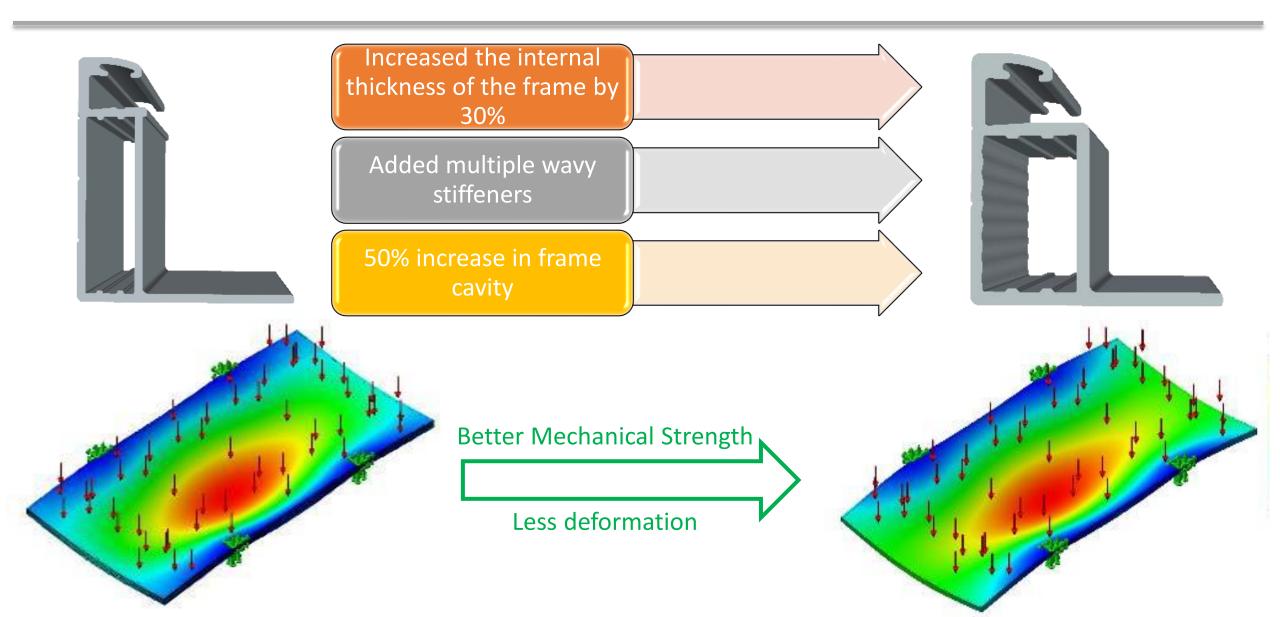
- Improved light utilization
- Better performance when inclined incidence



Triangle ribbon Light loss when inclined incidence; Long-term reliability risk

### Frame





### Connector





Cable Diameter $4^{\circ}6$  mmUpper limit temperature $100^{\circ}C$ Rated Current30AContact Resistance<0.5 mΩ

Integrate the negative pin and chip ring into one piece, so the risk of assembly fail is reduced

The conductor is integrated molding so no need to assemble extra mesh circle

The capacity of the connector improved by 5%



Cable Diameter	5~8 mm
Upper limit temperature	115°C
Rated Current	55A
Contact Resistance	<0.2 mΩ

## **Junction Box**

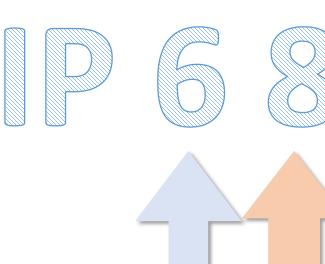






#### First digit – solid particle protection

Level	Description
0	No protection
1	Protected against solids larger than 50 mm
2	Protected against solids larger than 12.5 mm
3	Protected against solids larger than 2.5 mm
4	Protected against solids larger than 1 mm
5	Dust protected (no harmful deposit)
6	No ingress of dust



#### Second digit – Liquid ingress protection

Description

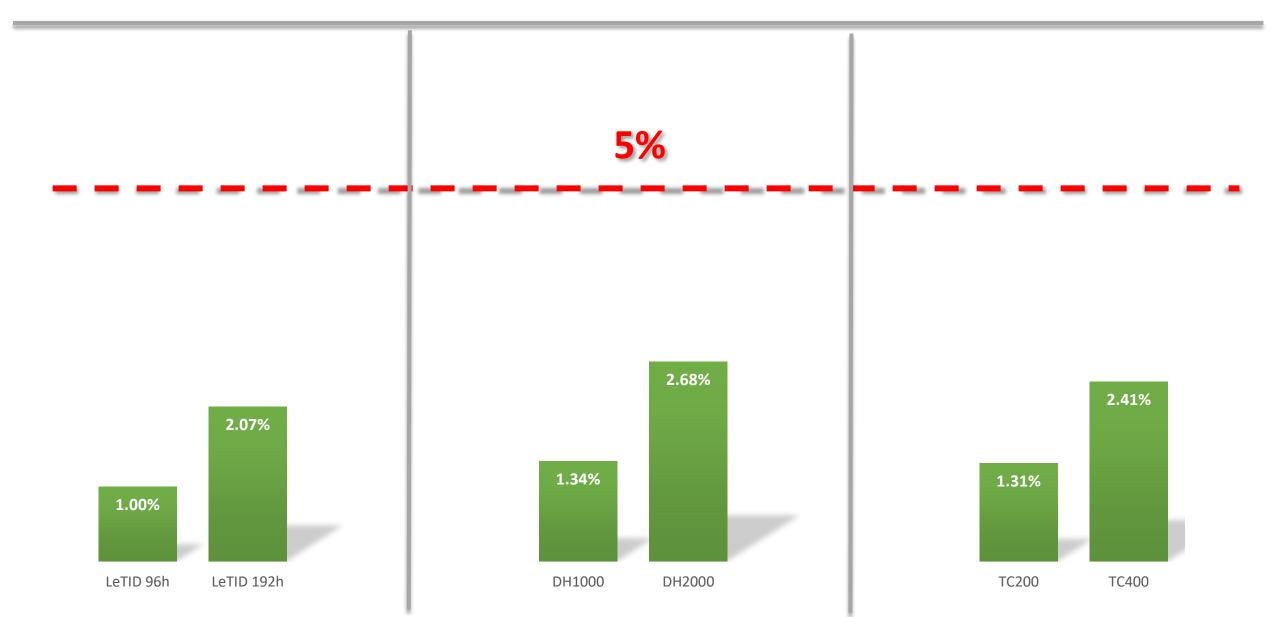
Level

Levei	Description
0	No protection
1	Protected against vertically falling water drops
2	Protected against vertically falling water drops when tilted up to 15 degrees
3	Protected against vertically falling water drops when tilted up to 60 degrees
4	Protected against water spray from all directions
5	Protected against water jets from all directions
6	Protected against powerful water jets from all directions
7	Protected against temporary immersion in water (up to 1 m)
8	Protected against prolonged immersion in water (more than 1 m)



## **Double IEC Tests**





### **Mechanical Tests**



