



ALL ABOUT

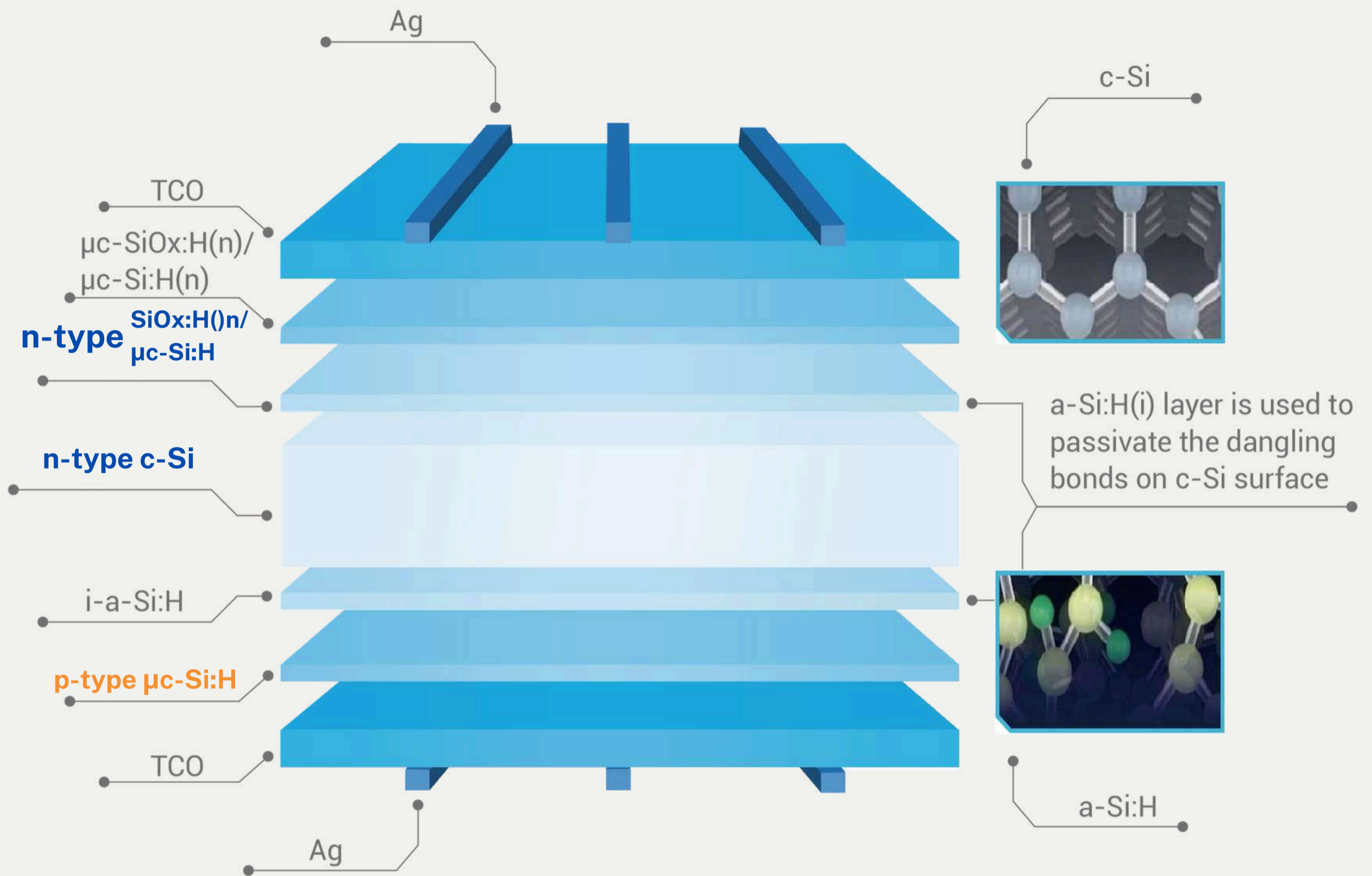
HETEROJUNCTION

*The Secret of **Heterojunction** Solar Cell Technology*

Heterojunction (HJT) technology is transforming the solar industry with its **high-efficiency** and **superior long-term performance**.

But what makes it stand out from technologies like PERC and TOPCon? How does HJT achieve these advantages?

In the "All about HJT" series, we will delve into Huasun's cutting-edge HJT solutions, where efficiency meets innovation in the world of solar energy!



Natural Bifacial-symmetrical Structure

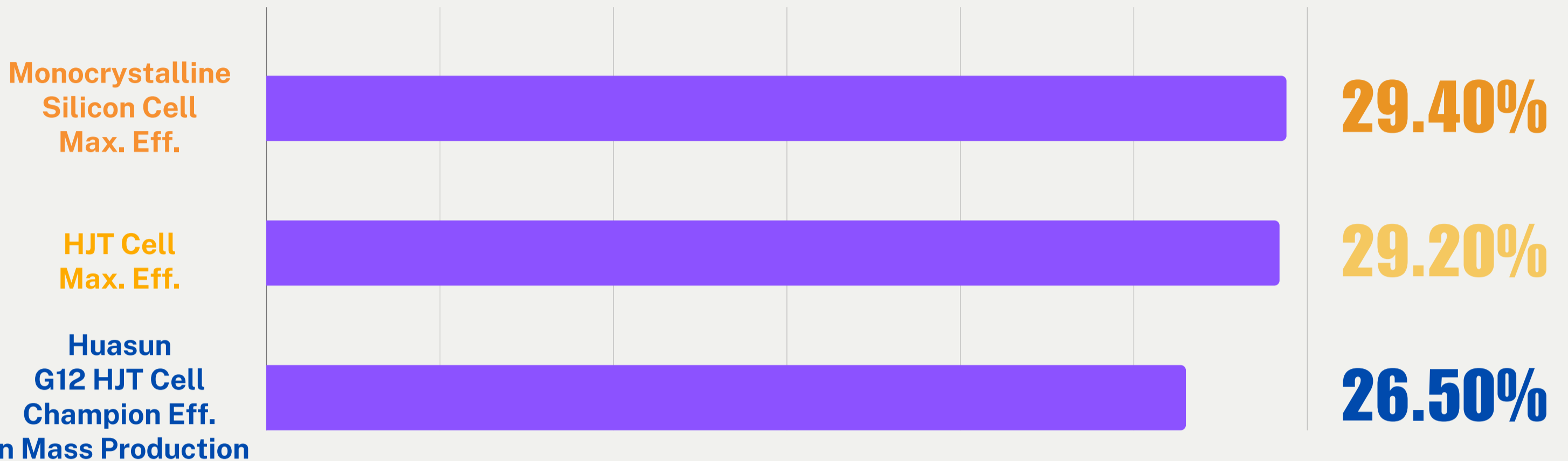


Higher Cell Efficiency



Optimized Temperature Coefficient

In HJT cells, an n-type crystalline silicon (c-Si) wafer is sandwiched between intrinsic amorphous silicon (i-a-Si:H) layers, which help passivate the surface, reducing **recombination losses and improving overall cell performance.**



HJT

NEW GENERATION MAINSTREAM CELL TECHNOLOGY

HJT, first developed by Japan's Sanyo Corporation in 1990, only began to be industrialized around 2010. Over the past three decades, **HJT technology has consistently set new records for photovoltaic efficiency.**

Now, Huasun's **Himalaya G12 HJT solar cell** has reach **26.50% in mass production**, setting another milestone in HJT sector.



Bifacial CVD



Cleaning & Texturing



Bifacial PVD



Screen Printing

**4
STEPS**



**Reduced
Energy
Consumption**



**Less
Processes
Steps**



**Optimized
Yield
Rate**



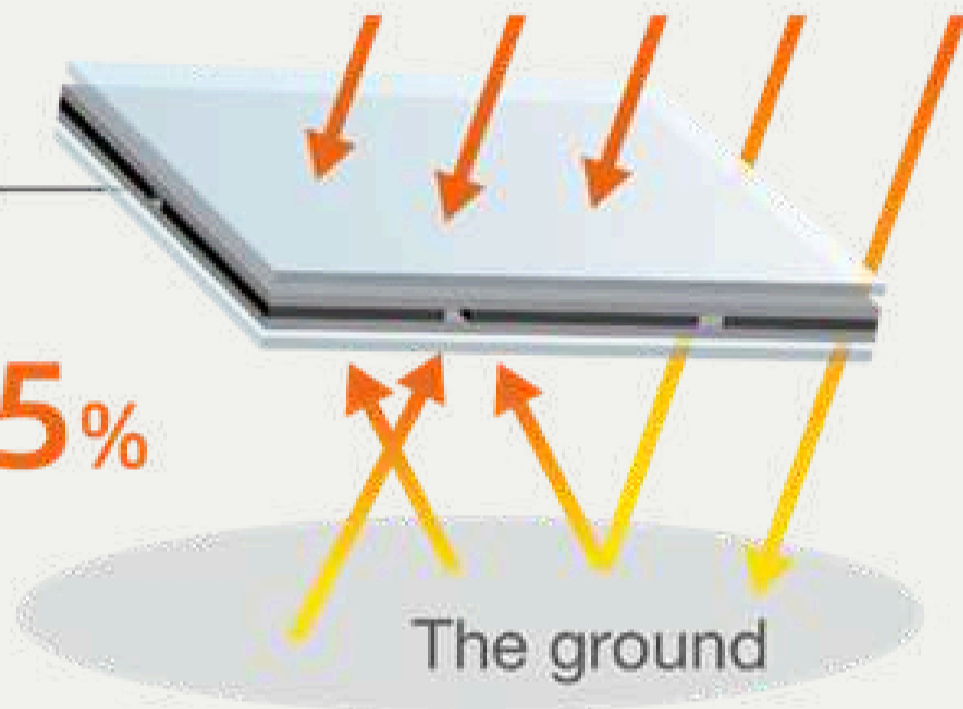
**Lower
Production
Costs**



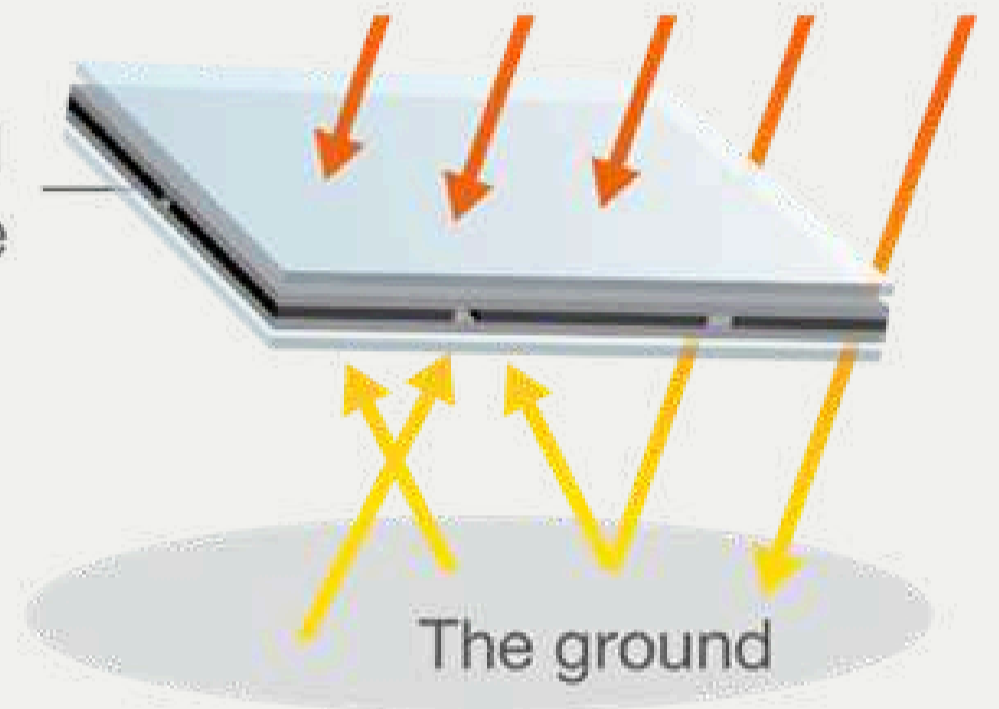
TOPCon

Bifacial
symmetrical
structure

+ 2%~5%



Bifacial
module



NEARING 100%

Ultra-high Module Bifaciality

+ 2%~5%

Higher Bifacial Energy Yield





FARM



RANGELAND



HIGHWAY



Ultra-high
Efficiency &
Power Output



Nearing 100%
of Bifaciality



Ultimate
Reduction
of Floor Space



Ultra-low
Operating &
Maintenance Costs



Excellent Power
Generating
Performance



NO.1 IN HETEROJUNCTION



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