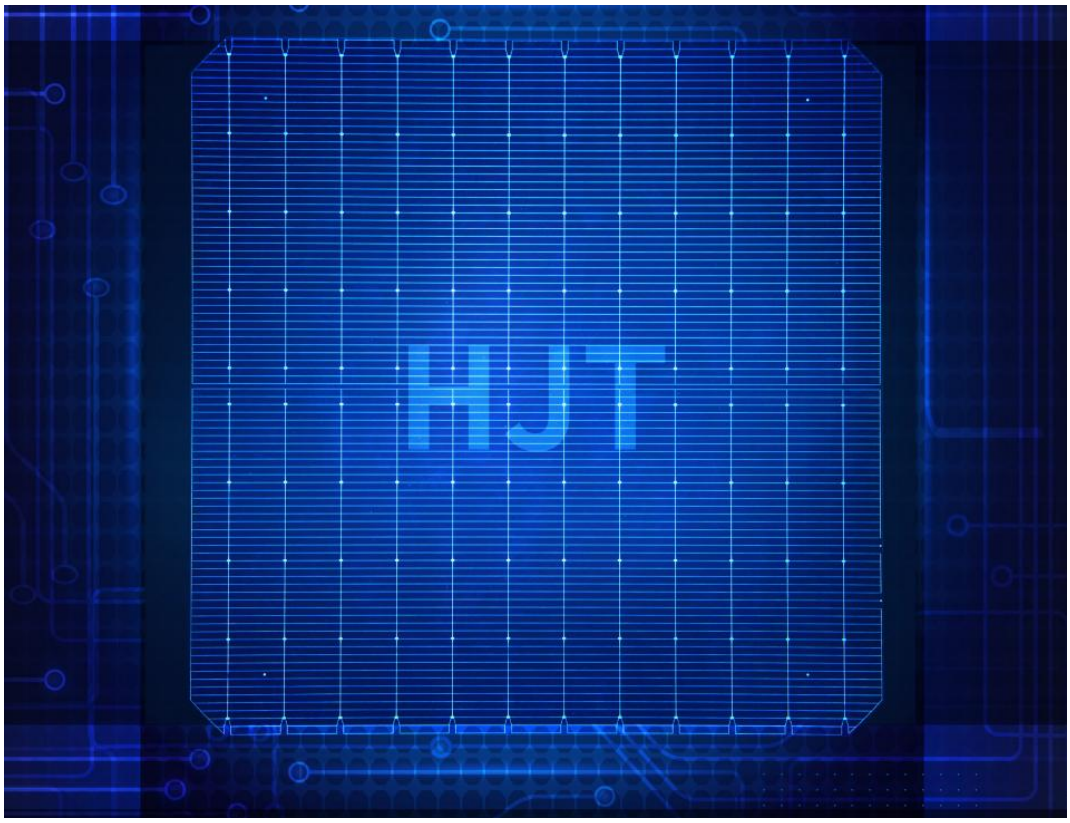
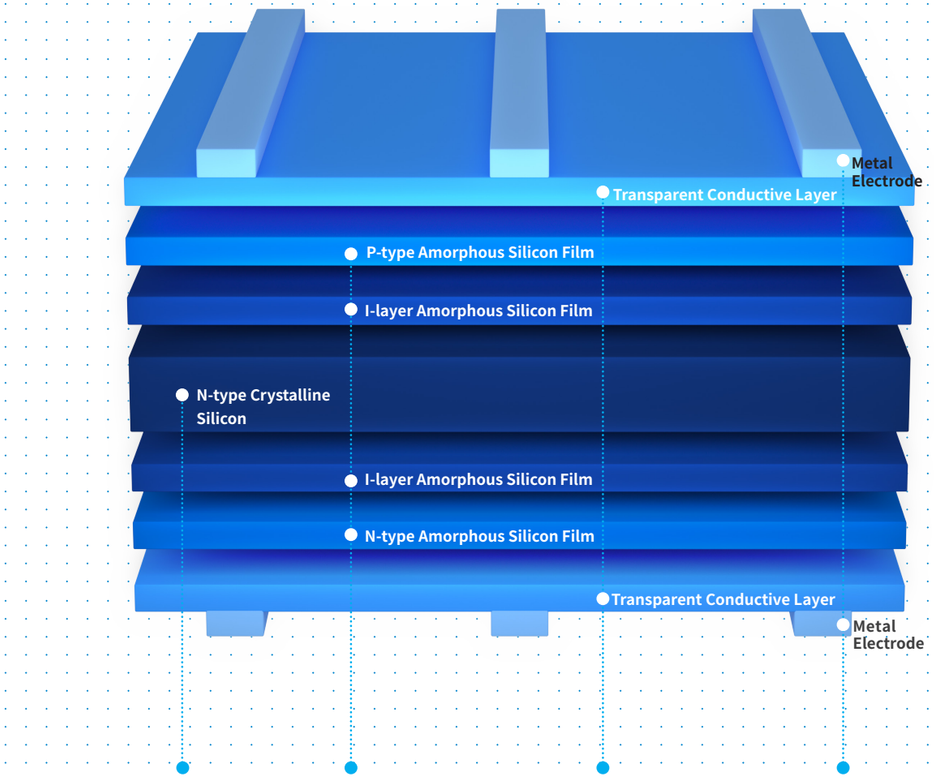
HJT High Efficiency Solar Cell

Manufacturing Turn-key Solution



HJT Cell Structure



Technological Process

Texturing → Silicon-Based Film Deposition(PECVD) → Transparent Conductive Film Deposition(PVD) → Screen Printing

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HJT Technology Advantages

Significant Power Generation Advantage

The theoretical conversion efficiency of HJT cell is 27.5%. With low degradation rate, excellent temperature coefficient, high bifaciality, good low-light response and other advantages, the power generation gain in HJT solar module's life cycle will be significant.

Simple and Controllable Process

For HJT cell's manufacturing, there're only four processes, piincluding texturing, silicon-based film deposition (PECVD), transparent conductive film deposition (PVD) and screen printing.

A Platform-Based Technology

As a platform-based technology, HJT can overlay other advanced technology to highly increase conversion efficiency of solar cell.

Large Space for Cost Reduction

The symmetrical structure and low temperature process make HJT cells easier to be thinner; Meanwhile the low temperature process can reduce the energy consumption.