

635 single crystal perc component

What is the performance of PERC technology on polycrystalline and monocrystalline solar cells?

At present,PERC technology has become the main method for increasing the efficiency of P-type solar cells,but the performance of PERC technology on polycrystalline and monocrystalline cells is different.

What is the PERC solar cell efficiency record?

PERC solar cells are the main technical contributors to the solar cell efficiency record that has been broken again and again. In the first half of 2018,the PERC solar cell efficiency was recorded at 23.95%,which was created by Jinko on May 9,2018.

What is the difference between PERC and IBC solar cells?

Efficiency for IBC solar cells is higher in general, but the highest recorded efficiency for both technologies is similar. The highest efficiency for PERC solar cells was recorded at 25.0%, while IBC solar cells achieved a 25.4% conversion efficiency. The biggest downside for IBC technology is that it has a higher cost than PERC solar panels.

What is the difference between PERC & poly C-Si solar panels?

Poly c-Si solar cells with 18.46% efficiency get an increased efficiency of 18.61% when manufactured with PERC technology,the difference is even more notorious with mono c-Si solar cells. A traditional mono c-Si panel has a 19.55% efficiency,but this efficiency increases by 0.86% to achieve 20.41% for mono PERC solar panels.

What are PERC solar panels?

One option that outstands from the rest is the Passivated Emitter and Rear Contact(PERC) solar technology which allows for the creation of PERC solar panels. The PERC solar panel is a highly efficient and improved type of PV technology that uses Crystalline Silicon (c-Si) and fixes some inconveniences of this traditional technology.

Are mono c-Si solar panels better than Poly PERC solar panels?

A traditional mono c-Si panel has a 19.55% efficiency,but this efficiency increases by 0.86% to achieve 20.41% for mono PERC solar panels. Mono PERC solar panels tend to have a relatively higher price,but considering the performance and technical specifications against the price,this technology is much better than poly PERC solar panels.

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