5BB Mono PERC Cell

What is a mono PERC solar cell?

A mono PERC (Passivated Emitter Rear Contact) solar cell is a type of solar cell that delivers higher energy density per square footand performs exceptionally well under low-light and high temperature conditions.

How efficient are PERC solar cells?

PERC solar cells in TongWei's main efficiency band were used in the standard 60-cell modules,resulting in over 300W per module on average. SolarWorld and Trina Solar have both reported cell conversion efficiencies above 22%for their industrialized screen-printed PERC solar cells.

Where can I find more information about half Cell PERC mono modules?

You can find more information about half cell PERC Mono modules in the datasheet: AB-78MHC 575-590W Monocrystalline PERC Modules 328.8 KiB610

What is the mass production efficiency of PERC p-type mono cells?

A mass-production efficiency of 21.60%for PERC p-type mono cells has been achieved at TongWei Solar; cell efficiency has a narrow distribution band in mass production,demonstrating excellent process stability and quality reliability. ALD aluminium oxide technology yields outstanding

Who makes PERC solar cells?

Many major cell manufacturers - such as Q CELLS,SolarWorld and Trina Solar- have already begun mass production of PERC solar cells. In addition,more PV manufacturers are migrating their conventional Al-BSF lines to PERC cell lines. The ITRPV roadmap estimates that PERC capacity will reach 25GW by the end of 2017.

How PERC technology can improve the efficiency of PV cells?

Passivated emitter and rear cell (PERC) technology can significantly increase the absolute efficiency of PV cells by over 1.2%. Since PERC processing is also compatible with current cell processing, and does not incur overly high manufacturing costs, many PV manufacturers are focusing on developing the industrialization technologies for PERC cells.

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