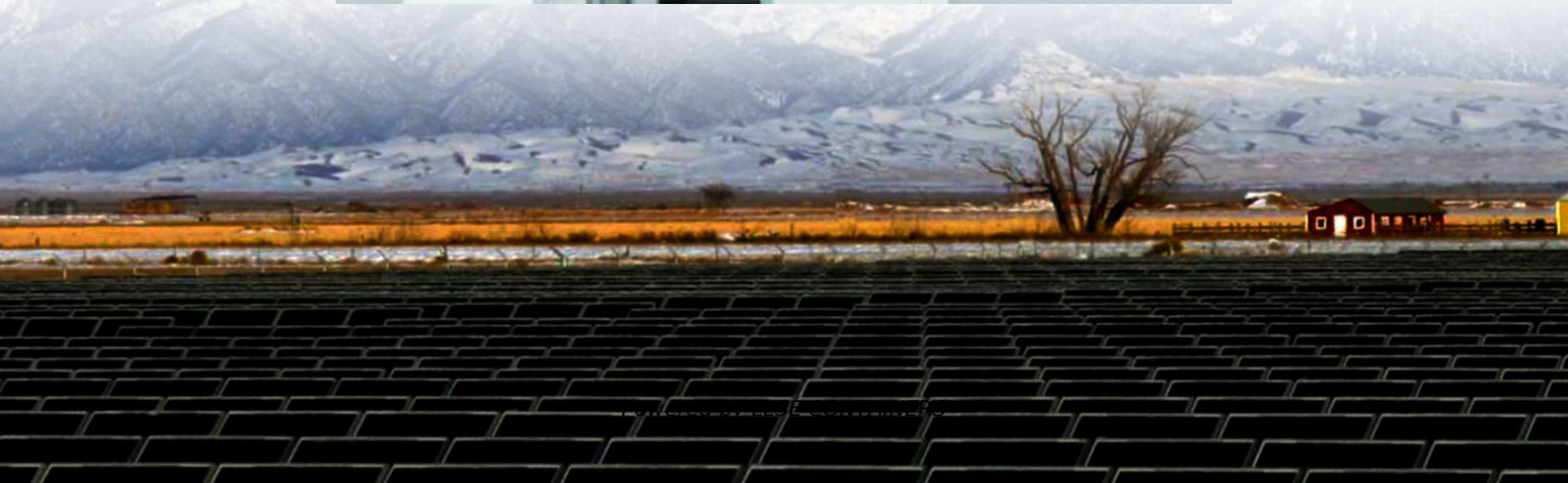


# **Conversion rate of monocrystalline and polycrystalline solar panels**





## Overview

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Which is better monocrystalline or polycrystalline solar cell?

Between monocrystalline and polycrystalline solar cell, there is an established statement that the efficiency and the performance rate of monocrystalline were better than the polycrystalline. At 1000 w/m<sup>2</sup> solar radiation, the efficiency of monocrystalline and polycrystalline was 15.27 and 13.53%, respectively.

What is the efficiency of a monocrystalline solar cell?

The efficiency produced by the monocrystalline type solar cell is 13.75%. The electric voltage produced by intensity it receives. Monocrystalline solar panels are polycrystalline solar panels. financial support and facilities of the laboratory. (ICEEICT). 2016. Volume: 2 Issue: 11. November 2016.

What is a monocrystalline solar cell?

Monocrystalline solar or PV cells are produced by manufacturers using high-quality Si crystals. The silicon unidirectionally aligns during production to create a singular sizable crystal. Due to their configuration, monocrystalline cells appear black to the human eye when interacting with light.

What is a polycrystalline solar cell?

The polycrystalline solar cell consists of multiple small silicon crystals, and it has blue speckled look. These type solar panels are made by melting raw silicon which is faster and cheaper process than that used for monocrystalline process.



## Conversion rate of monocrystalline and polycrystalline solar panels

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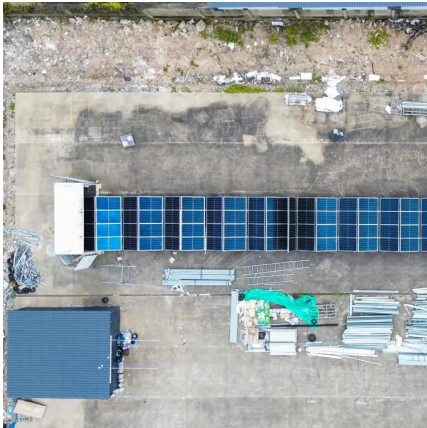






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