

PDEOZE PowerContainer

Comoros monocrystalline solar panel detailed parameters



Overview

Technical parameter Maximum Power(W) 80W Optimum Power Voltage(Vmp) 15.90V Optimum Operating Current(Imp) 5.03A Open Circuit Voltage(Voc) 18.58V Short Circuit Current(Isc) 5.59A Mechanical Characteristics Cell Type Monocrystalline 125x125mm (5 inch) No of Cell 36 (4x9pcs) Dimensions 906x670x35mm Weight 7.2KGS Front Glass 3.2mm,High Transmission, Low iron, tempered Glass Junction box IP65 Rated Output Cable TUV 1x4.0mm²/UL12AWG,Length: 900mm Temperature and Coefficients Operating Temperature(°C): -40°C ~ + 85°C Maximum System Voltage: 600V(UL)/1000V(IEC) DC Maximum Rated Current Series: 15A Temperature Coefficients of Pmax: -0.435% Are monocrystalline solar panels a good choice?

Overall, monocrystalline solar panels are a reliable and cost-effective option for those looking to invest in solar power. Monocrystalline solar panels have several features that set them apart from other types of solar panels: High Efficiency: One of the primary advantages of monocrystalline solar panels is their high efficiency.

How do monocrystalline solar panels work?

Monocrystalline solar panels are made from a single crystal of silicon, which is a semiconductor material that can convert sunlight into electrical energy. When sunlight hits the surface of the panel, it excites the electrons in the silicon atoms, causing them to move and create an electrical current.

Are PERC solar panels better than monocrystalline solar panels?

PERC panels are typically more expensive than standard monocrystalline solar panels but offer a higher efficiency rate. Bifacial: Bifacial monocrystalline solar panels are designed to capture sunlight on both sides of the panel, allowing them to generate more power per square foot than standard monocrystalline solar panels.

What are the key specifications of solar panels?

The article covers the key specifications of solar panels, including power

output, efficiency, voltage, current, and temperature coefficient, as presented in solar panel datasheets, and explains how these factors influence their performance and suitability for various applications.

How long do monocrystalline solar panels last?

Durability: Monocrystalline solar panels are designed to withstand harsh weather conditions and have a long lifespan. They are typically made with high-quality materials and come with a warranty of 25 years or more, ensuring that they will continue to produce electricity for many years to come.

What is mono crystalline silicon (mc-Si) solar module?

Mono-crystalline silicon (mc-Si) solar module is mostly used to solar modules because it has a number of advantages like low maintenance cost, high reliability, noiseless and eco-friendly .

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