

# **Middle East & Africa BIPV Glass Market Forecast to 2031 - Regional Analysis - by Material (Crystalline Silicone, Amorphous Silicone, and Others), Glazing Type (Single Module and Double Module), Component Type (BIPV Glass Roofs, BIPV Glass Facades, and Others), and End Use (Residential, Commercial, Industrial, and Others)**

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## **Abstracts**

The Middle East & Africa BIPV glass market was valued at US\$ 315.58 million in 2023 and is expected to reach US\$ 910.03 million by 2031; it is estimated to register a CAGR of 14.2% from 2023 to 2031.

### **Growing Commercial Construction Sector Bolsters Middle East & Africa BIPV Glass Market**

The rapid expansion of commercial facilities such as office buildings, shopping centers, and industrial complexes propels the demand for sustainable building materials and energy-efficient solutions. Manufacturing plants, warehouses, and other industrial facilities require substantial energy consumption for their operations. As businesses seek to optimize energy efficiency and reduce operational costs, BIPV glass emerges as a viable solution to offset electricity consumption and harness renewable energy directly on-site. The versatility and aesthetic appeal of BIPV glass contribute to its growing demand in industrial and commercial applications. BIPV glass offers a dual-purpose solution by serving as a building material and a renewable energy generator. This integration aligns with the sustainability goals of many commercial projects, allowing them to reduce their carbon footprint and energy costs simultaneously. Countries such as Uzbekistan and Azerbaijan are also undergoing economic

development, leading to rising investments in infrastructure and urban development, including the construction of roads, bridges, residential complexes, and industrial facilities. The aesthetic appeal of BIPV glass complements modern architectural designs, making it an attractive option for commercial developers seeking functionality and visual appeal. Further, the Department of Energy of the US has expressed interest in better understanding the relationship between builders, roofing companies, and solar PV installers. As businesses increasingly prioritize sustainability and energy efficiency, BIPV glass emerges as a key solution for integrating renewable energy generation into commercial buildings. With ongoing innovations in BIPV technology and continued government support, the demand for BIPV glass is rising steadily.

## Middle East & Africa BIPV Glass Market Overview

In the Middle East & Africa, the market for BIPV glass is driven by factors such as the growing demand for energy-efficient buildings and the growth of the building & construction industry in the region. The UAE is one of the major markets for BIPV glass in the Middle East & Africa. The demand for sustainable and energy-efficient buildings has risen from end users and contractors in the Middle East & Africa. Countries such as Saudi Arabia and the UAE aim to reach their net-zero emissions targets by 2060 and 2050, respectively. The growing demand for energy-efficient buildings boosts the adoption of BIPV glasses, as BIPV glass promotes energy-efficient building design by reducing the building's reliance on external sources of electricity. Countries such as the UAE, Saudi Arabia, Qatar, and Oman are building commercial and residential projects as they are focusing on diversifying their economies. Thus, the rapidly growing building & construction industry in the Middle East & Africa drives the BIPV glass market growth in the country.

## Middle East & Africa BIPV Glass Market Revenue and Forecast to 2031 (US\$ Million)

### Middle East & Africa BIPV Glass Market Segmentation

The Middle East & Africa BIPV glass market is categorized into material, glazing type, component type, end use, and country.

Based on material, the Middle East & Africa BIPV glass market is segmented into crystalline silicone, amorphous silicone, and others. The crystalline silicone segment held the largest share of Middle East & Africa BIPV glass market share in 2023.

In terms of glazing type, the Middle East & Africa BIPV glass market is bifurcated into single module and double module. The double module segment held a larger share of Middle East & Africa BIPV glass market in 2023.

By component type, the Middle East & Africa BIPV glass market is divided into BIPV glass roofs, BIPV glass facades, and others (windows and floors). The BIPV glass roofs segment held the largest share of Middle East & Africa BIPV glass market in 2023.

Based on end use, the Middle East & Africa BIPV glass market is categorized into residential, commercial, industrial, and others. The commercial segment held the largest share of Middle East & Africa BIPV glass market in 2023.

By country, the Middle East & Africa BIPV glass market is segmented into South Africa, Saudi Arabia, the UAE, and the Rest of Middle East & Africa. Saudi Arabia dominated the Middle East & Africa BIPV glass market share in 2023.

Koch Industries, Inc.; AGC Inc.; Vitro, S.A.B de C.V; Onyx Solar Group LLC.; and Hanergy Holding Group Ltd. are some of the leading companies operating in the Middle East & Africa BIPV glass market.

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