BACK TO START

PHOTOVOLTAIC CANOPY

NEW CONSTRUCTION

This photovoltaic canopy, spanning nearly 600 square meters (6,458 square feet), stands at the entrance of the Mohammed VI Polytechnic University.

This innovative structure offers a **shaded pathway between buildings**, providing a much-needed respite from the scorching temperatures often experienced in Morocco. Creating this canopy presented a manufacturing challenge for Onyx Solar due to its size and the required efficiency.

Custom engineered PV glass panes, each boasting 144 crystalline silicon solar cells, were essential, resulting in 626 Watt/unit rating.

The canopy **generates 135.000 kWh/year** of renewable energy while curbing CO_2 emissions by 100 tons annually.

Architects Ricardo Bofill and Elie Mouyal blended modern design with the traditional Arab latticework, **preserving the architectural heritage of the region.**

TECHNICAL DATA

Nominal Power (Wp/m²)	147 Wp/m²
Visible Light Transmittance (VLT)	22%
Solar Factor (g-value)	25%
U value (W/m²K)	N/A
U value (Btu/h ft² °F)	N/A
Light Reflection (external)	8%

TECHNICAL DATA SHEET

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onyx

MOHAMMED VI UNIVERSITY

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CANOPY

CRYSTALLINE SILICON TECHNOLOGY

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