

PDEOZE PowerContainer

Solar curtain wall of Egypt office building



2MW / 5MWh
Customizable



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Technological advancement in building incorporated photovoltaic (BIPV) has transformed the façade of the building into a generator powered by renewable energy sources. ...

This research aims to explore the potential of achieving nZEB levels through retrofitting office buildings' typical prototypes in Cairo, Egypt, with basic designs, layouts, and ...

What is concentrating photovoltaic curtain wall (CPV-CW)? A novel concentrating photovoltaic curtain wall (CPV-CW) system integrated with building has been designed, tested and ...

Along this line, building envelopes that separate the indoor from the outdoor environments, and in particular building façades, play a substantial role for energy saving in ...

The study focused on an existing office building in Cairo, Egypt, using Design Builder software to simulate various smart glass types and analyze their performance.

The effect of using semi-transparent photovoltaic (STPV) in office building facades on building energy performance and indoor environment quality is evaluated through combined optical, ...

The integration of photovoltaic modules in the building envelope is very suitable in Egypt and MENA (Middle East and North Africa) region in general due to the high solar radiation at this ...

Both curtain walls and spandrels from Onyx Solar elevate your building's sustainability

and aesthetic appeal, providing customizable options and cutting-edge design. Explore how our ...

Modern curtain walls are equipped with solar control technologies that regulate the amount of heat and light entering the building. Features like low-emissivity (Low-E) coatings ...

different orientation and the Life Cycle Cost Assessment (LCCA) in a prototypical office space in Cairo. We have simulated a wide range of perforated shading screens using Design Build.

Contact Us

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