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## Solar Energy South Africa

# Zhejiang University Photovoltaic Panel


## Overview

What is a quaternary photovoltaic panel?

The scientists developed the panel with a quaternary approach by using a commercially available polymer, PM6, and a fullerene electron acceptor known as PC71BM, which is commonly used in the most efficient organic photovoltaic devices.

Should solar thermal power generation devices be modified for PTC processes?

Since solar thermal power generation is a mature technology and has been widely applied, modifying solar thermal power generation devices for PTC processes is a feasible solution, which can integrate with heat collection and meet the temperature requirement for the PTC processes in the meantime.

Could a chromium film Heat Cuo X /ZnO/Al 2 O 3 nanosheets?

Figure 12b shows the photothermal device based on a chromium film, which could heat CuO x /ZnO/Al 2 O 3 nanosheets to around 300 °C under one standard solar irradiation and generate hydrogen from efficient water-gas shift reaction (WGSR).

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