



Africa, the sun continent. Come on board!

SOLAR PV - END TO END SOLUTION OFFERING

What is Solar PV?

Barloworld Power is able to offer companies cost effective solar solutions, using the sun which is abundantly available in Southern Africa.

Solar Photovoltaic (PV) is technology used to harness natural sunlight to produce electricity.

Our Solar PV offering consists of installations on rooftops or carports for businesses whose electricity costs are higher than the threshold and/or values going green. The returns are the highest for businesses that operate in the daytime. The minimum Solar PV offering is **25kW**. There has been a sudden growth in the market due to the development of technology which has resulted in high efficiencies of Solar Panels at lower costs.

How does our solution differ?

Cat Thin Film PV technology Solutions has many advantages to that of traditional silicon panels.

- Superior technology – allows for greater efficiencies compared to Silicon PV Panels up to 11% better energy density to Silicon PV Panels
- High temperatures in SA allows Cat Thin film to operate better than Silicon PV Panels due to the superior temperature coefficient.
- Cat Thin Film has better shading response to Silicon PV it only affects the shaded area not the complete panel
- Humid conditions give rise to favourable yield for Cat Thin film PV as opposed to Silicon PV.

When will this be rolled out?

Barloworld Power will complete its pilot project to install Cat Solar PV panels at Barloworld Equipment's facility in Isando by the end July 2016. Watch this space for more information.

For more information on Solar PV Solutions contact Grant Kirchmann