

New range of solar power solutions

Master Power Technologies has launched a new range of photovoltaic solar solutions to compliment its current range of products for use in industrial applications in hot, arid regions, or wherever utility power is expensive or unreliable. The solar power systems are designed to supplement or replace utility power to save money and reduce the user's carbon footprint, and some designs can feed excess power back into the power grid.

"The Master Power Technologies' battery-free solar power solutions have been designed with characteristics such as low heat degradation and high durability, making the equipment ideal for power installations throughout Africa," explains Andre Naude, strategist for business development at Master Power Technologies. "Some of the benefits we have designed into the product include a constant power-output curve to maintain the electricity supply

needed to meet peak demands, the ability to operate without active cooling mechanisms and almost no energy loss at high ambient temperatures."

The company has a range of grid-connected, grid-tie (or on-grid), stand-alone and off-grid solutions from which to choose.

Grid-connected photovoltaic power systems are energised by photovoltaic panels that are connected to the utility grid. These power systems consist of photovoltaic panels, MPPT (Maximum Power Point Tracking, a technique used to obtain the maximum possible power from photovoltaic devices), solar inverters, power conditioning units and grid connection equipment. Unlike stand-alone photovoltaic power systems, they seldom have batteries or diesel generators attached.

Enquiries: Andre Naude. Tel. 011 792 7230 or email andren@kva.co.za