



SolarEdge Increases Solar Panel Efficiency

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Israeli start-up SolarEdge has developed electronics to improve the wiring of solar panels and increase their efficiency by 25%.

The company plans to launch the technology on Wednesday at Munich's Intersolar 2009 conference, during which it will also announce a partnership with German solar installer Gehrlicher, which will begin offering SolarEdge products.

SolarEdge, which has raised roughly \$35 million since its 2006 inception, has developed a junction box to be fitted on solar panels with an integrated circuit that ensures steady voltage, eliminating problems associated with variations in panel performance, said SolarEdge founder and CEO Guy Sella.

Wiring and panel-placement problems can reduce the output of a solar array by 20-30%, according to Sella. The junction box works with SolarEdge's inverter to optimize the conversion of direct current to alternating current.

A number of solar companies have agreed to test the system, installing the junction boxes during panel production.