



APOLLO SOLAR

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Apollo Solar Releases Unique Product That Protects PV Modules at Low Temperatures

Low-Cost Component Protects System from High Open-Circuit Voltage at Low Temperatures

Bethel, CT--(BUSINESS WIRE)—April 2, 2007—Apollo Solar, a company that specializes in the design and manufacturer of innovative power conditioning and control electronics for solar applications has announced the release and availability the Low Temperature Over Voltage Bypass. The singular product allows solar electric system installers to size the PV array for optimum performance without regard to high open circuit voltages at low temperatures.

The Apollo Solar LTOB automatically switches modules out of the circuit if the temperature falls below the specified point. The LTOB expands the input range of any solar inverter or charge controller while providing complete protection for the solar electric system at the lowest temperatures without compromising high-temperature performance.

The unique and low-cost product solves the long-standing challenge faced by solar installers to size the PV array for maximum performance while knowing that a drop to an extremely low ambient temperature could result in a large enough spike in open-circuit voltage to damage the solar power generation system. Like any electronic components based on semi-conductor architecture, photovoltaic modules are much more efficient at cooler temperatures and, thus, produce more voltage when the thermometer outside drops. The LTOB makes it possible to automatically drop one of the solar panels out of the circuit to protect the system during the coldest days of winter without losing the maximum performance expected during the rest of the year.

The Apollo Solar LTOB will be available exclusively through AEE Solar, an international solar equipment distributor based in Redway, California.

About Apollo Solar

Apollo Solar is an engineering and sales organization committed to bringing innovative technology to the renewable energy market. The company has over 40 years of engineering expertise in providing industrial strength solutions and unique power management systems for NASA, the United States Government, the US military, as well as numerous Fortune 500 clients. Apollo Solar is now bringing the same high reliability and efficient power management to the residential and commercial solar-energy markets through distributors across North America as well as in Spain, Australia and India. More can be learned about Apollo Solar at www.apollo-solar.net.

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