



Ascent Solar Achieves Mil-Spec 810G Certification for Defense Applications

THORNTON, Colo., Feb 23, 2010 (BUSINESS WIRE) -- Ascent Solar Technologies, Inc. (NASDAQ:[ASTI](#)), a developer of flexible thin-film photovoltaic modules, today announced that its Premier and 2 Meter flexible CIGS solar modules have been certified by an independent laboratory on a variety of United States Department of Defense (DOD) military ruggedization standards known as MIL-STD-810G. MIL-STD-810G focuses on environmental engineering issues and requires products to pass various laboratory tests to ensure that military equipment operates in worldwide environments.

Ascent Solar President and CEO Farhad Moghadam stated, "MIL-STD-810G certification is a significant step forward in penetrating the defense application market for military and disaster relief integrated products. These certified modules are equipped with a non-reflective coating to prevent glare and have demonstrated the ability to withstand humidity, shock and sand blasting. Specialty markets which include defense applications are vital to our ability to demonstrate the diverse market opportunities with partners and customers using our unique flexible CIGS modules."

About Ascent Solar Technologies:

Ascent Solar Technologies, Inc. is a developer of thin-film photovoltaic modules with substrate materials that can be more flexible and affordable than most traditional solar panels. Ascent Solar modules can be directly integrated into standard building materials, space applications, consumer electronics for portable power or configured as stand-alone modules for large scale terrestrial deployment. Ascent Solar is headquartered in Thornton, Colorado. For more information, go to www.AscentSolar.com.

Forward Looking Statements

Statements in this press release that are not statements of historical or current fact constitute "forward-looking statements." Such forward-looking statements involve known and unknown risks, uncertainties and other unknown factors that could cause the Company's actual operating results to be materially different from any historical results or from any future results expressed or implied by such forward-looking statements. In addition to statements that explicitly describe these risks and uncertainties, readers are urged to consider statements that contain terms such as "believes," "belief," "expects," "expect," "intends," "intend," "anticipate," "anticipates," "plans," "plan," to be uncertain and forward-looking. The forward-looking statements contained herein are also subject generally to other risks and uncertainties that are described from time to time in the Company's filings with the Securities and Exchange Commission.

SOURCE: Ascent Solar Technologies, Inc.

For Ascent Solar Technologies, Inc.
Brian Blackman, 832-515-0928 (Investor Relations)
bblackman@ascentsolar.com

or

Brand Fortified Public Relations
Kelly Brandner, 303-289-4303 (Media)
kbrandner@brandfortified.com

Copyright Business Wire 2010