



August 2, 2016

EnerPlex Inspires the World of Mobility Power -- Launches World's Lightest Solar at Outdoor Retailer 2016

THORNTON, CO -- (Marketwired) -- 08/02/16 -- Ascent Solar Technologies, Inc. (OTCQB: ASTI), a developer and manufacturer of state-of-the-art, flexible thin-film photovoltaic modules integrated into the company's EnerPlex™ series of consumer products, announced today the Company will debut the Kickr 7FL and Kickr 10FL, the world's lightest consumer solar chargers, at Outdoor Retailer in August 2016 in addition to the new EnerPlex Explor and EnerPlex Packr BC.

EnerPlex continues to establish itself as the technology leader in Mobility Power, with the launch of Featherlight solar family (the Kickr 7FL and 10FL) as well as the EnerPlex Explor 67, the brand's first battery designed specifically for the outdoors, carrying an IP67 rating and the EnerPlex Packr BC, a first of its kind solar charger, designed from the ground up for backpackers.

EnerPlex at Outdoor Retailer Summer 2016 Highlights:

Kickr 7FL & 10FL: Engineered with Ascent's revolutionary CIGS Solar-on-Plastic technology and a completely redesigned encapsulation process, the new Kickr Featherlight family is over 50% lighter than previous Kickr solar chargers.

Packr BC: The first solar charger ever designed with the backpacker specifically in mind, the 10 watt EnerPlex Packr BC is engineered to clasp and hug tightly to technical backpacks, ensuring superior charge performance while on the move.

Explor 67: The first EnerPlex battery product to carry an IP67 rating, made to repel damage from dust and water -- the EnerPlex Explor 67 was constructed with the avid outdoorsman specifically in mind.

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, aerospace 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.

About EnerPlex:

Ascent Solar's EnerPlex Division represents the Company's consumer-facing business and products. These products, many of which are integrated with Ascent Solar's transformational CIGS technology, provide consumers with the ability to integrate solar into their everyday lives, while enabling them to free themselves and their electronics from the outlet. For more information on the EnerPlex brand and to see the product line, please visit www.goenerplex.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.

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Source: Ascent Solar Technologies

News Provided by Acquire Media