

**Press Release: For Immediate Release**

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## **POWERFILM SOLAR LAUNCHES FULL LINE OF ULTRA LIGHTWEIGHT FOLDABLE SOLAR CHARGERS AT MODERN DAY MARINE 2005**

**Up to 70% weight reduction versus other chargers: 5 Watt charger weighs only 6 oz. and fits in cargo pants pocket for carrying, 60 Watt charger fits in backpack and weighs only 2.6 lbs.**

September 15, 2005, AMES, IA – PowerFilm Solar, the solar division of Iowa Thin Film Technologies, Inc., announced today the formal launch of its PowerFilm® Foldable Solar Charger product line at Modern Day Marine 2005, the premier Marine Corps tradeshow for new technology products.

Lighter weight and more power per pound than other solar chargers, the patent pending products leverage the extremely lightweight nature of PowerFilm. “These products deliver to the military’s demands for not only portable solar power but portable solar power that is lightweight, durable, and commercially available,” said Frank Jeffrey, Chairman of Iowa Thin Film Technologies.

Five products are now commercially available in the following sizes: 5, 10, 20, 30, and 60 Watts. The 5 Watt charger weighs only 6 oz. and fits in a cargo pants pocket for carrying. The 60 Watt charger weighs only 2.6 lbs., folds to notebook size, and easily fits in a backpack. Chargers can be daisy chained together for additional power.

Using a female cigarette lighter adapter, chargers can be used to charge satellite phones, cell phones, laptops, and other electronic devices such as gps units. The chargers also can be used to charge 12 volt batteries for communications, water purification, and portable refrigeration systems, as well as lighting and ventilation. Chargers are also available in a 24 volt configuration.

“PowerFilm Solar now has a complete range of lightweight, durable commercially available solar products for the military, ranging from large PowerFilm solar field shelters to small portable rollable and foldable chargers,” said Mike Coon, Chief Operating Officer of Iowa Thin Film Technologies. The company also makes a small AA battery solar charger.

For the portable power market, PowerFilm Solar next will be intensifying its development in the area of electro-textiles. Building upon the core solar panels it already manufactures and the fabric integration technology it has developed, the company has plans to develop military uniforms that integrate solar power. The company also is in the advanced stages of development of building integrated solar products.

### **About PowerFilm Solar**

PowerFilm Solar is a photovoltaics industry leader in developing, manufacturing, and marketing solar panels that are product integrated and building integrated. PowerFilm is lightweight, flexible, and thin. PowerFilm Solar has a breakthrough proprietary low-cost manufacturing platform of roll-to-roll manufacturing, monolithic integration, and a flexible plastic substrate.

See [www.powerfilmsolar.com](http://www.powerfilmsolar.com) for additional information.