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MEDIA ADVISORY

Go Power! Reveals Pliable Solar Flex Panels at 2014 Work Truck Show as Part of Industry's First Complete Solar-Based Mobile Power Solution

Go Power! leverages decades of experience to create tough, efficient, Solar Flex panels and systems capable of powering tools, lighting, lift gates, truck-mounted equipment and more.

INDIANAPOLIS, Ind., USA (Mar. 11, 2014) — [Go Power!](#), one of North America's leading innovators of solar-based mobile power solutions for RV, marine, work truck and over-the-road fleet vehicles, unveiled its new Solar Flex solar panels to the industry for the first time at the [2014 NTEA Work Truck Show](#) in Indianapolis, Ind. The thin, flexible, ultra-high-efficiency Solar Flex GP-FLEX series panels are the breakthrough power generation component of the industry's first practical solar-based mobile power and battery regeneration system.

Solar Flex panels use high-efficiency monocrystalline cells to produce more power per square foot than any other flexible panel on the market. Unlike rigid solar panels, Solar Flex panels require no mounting brackets or framework, and at just three millimeters thick, the panels can be contoured to mount almost anywhere on a vehicle. The slender panels are aerodynamic and are engineered to be virtually indestructible.

[The Solar Flex panels](#) are clad in a tough, impermeable, marine-grade laminate and can be secured with fasteners through pre-cut eyelets or adhesively mounted to metal, rubber, fiberglass and plastic surfaces with parabolic bends of as much as 30 degrees. The panels are durable enough to walk on and can be affixed to horizontal body surfaces that sustain foot traffic.

A Go Power! solar work truck power system can be configured to generate a battery-charging range of 1.7 amps per hour to 100+ amps per hour. The system is comprehensive and includes: Solar Flex panels, a solar controller that prevents battery overcharging, a complete wire harness system, an EX1050 absorbed glass mat (AGM) deep-cycle battery bank, a Go Power! pure sine or modified sine inverter, and heavy-duty AC power outlets that can be strategically located throughout the truck body and in aerial equipment.

“We use traditional Go Power! inverter systems as standard equipment on a number of our mobile workshop capsules and fiberglass service bodies and have gained confidence in their system's capabilities,” said Francois Boisvert, vice president engineering and new product development for [Maranda Composite Truck Bodies](#). “We are looking forward to exploring a true no-idle power solution by running a pilot program using Go Power!'s new Solar Flex panels to reduce or eliminate idling.”

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In addition to reducing nitrogen oxide (NOx) emissions, soot accumulation and diesel particulate filter (DPF) regeneration by making no-idle mobile power a reality, the system virtually eliminates the problem of dead batteries for fleets. Today's advanced vehicle electronics often rely on a constant flow of parasitic current to stay operational, depleting batteries whenever vehicles are not in use. The Go Power! solar work truck power system is designed to keep battery banks optimally charged at all times, so equipment is in a constant state of service readiness.

As a comparison to carbon-based systems, Go Power! encourages a fleet to view the vehicle's battery as it would an auxiliary fuel tank. Amp usage is like fuel consumption, and in a conventional system the only way to recharge the battery is to use the vehicle's alternator or DC chargers, which requires burning fossil fuels. The Go Power! Solar Flex system has the ability to generate up to 100 amps of DC power per hour, and when combined with a Go Power! Inverter, the system can produce 1,000 watts of AC power per hour. Go Power!'s solar solution regenerates batteries without idling, without emissions, without noise and without the variable cost of fuels.

The new Solar Flex panels come in convenient 30-, 100- and 200-watt power kits and can be paired with a wide range of Go Power! inverters for a complete system. For customized mobile power solutions for work trucks, vans and utility vehicles, please contact Sean O'Connor at (866) 247-6527 ext. 8357 or visit <http://gpelectric.com/fleet-contact-form>.

To access high-resolution product images of the new Go Power! Solar Flex System, please visit: <http://gpelectric.com/news/solar-flex-solution-revealed>

To view a product data sheet of the new Go Power! Solar Flex Systems: GP-Flex-200, GP-Flex-100 and GP-Flex-30, please visit: http://gpelectric.com/files/gpelectric/Docs/Specs/Fleet_Insert_Solar_Flex.pdf

To view Go Power! solar application videos, please visit: <http://gpelectric.com/video-channel>

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About Go Power!

Go Power! is a leader in the mobile, solar power industry and has more than 18 years of experience in the RV and fleet truck market. The Go Power! brand is one of North America's most popular and recognized in solar power for both recreational and industrial use. Go Power! products supply both AC and DC power for fleet, utility and long-haul truck applications. Their inverters, chargers and mobile AC and DC power products are the professionals' choice for installations where dependable power is necessary. Go Power! is a division of Carmanah Technologies Corp. As one of the most trusted names in solar technology, Carmanah has earned a reputation for delivering strong and effective products for industrial applications worldwide. Industry-proven to perform reliably in some of the world's harshest environments, Carmanah solar LED lights and solar power systems provide a durable, dependable and cost-effective energy alternative. Carmanah is a publicly traded company, with common shares listed on the Toronto Stock Exchange under the symbol "CMH." For more information, visit www.carmanah.com.

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