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## **Green Sun Rising to provide Off-Grid Solar System for the Southern Ontario Fall Home Show**

**Windsor, Ontario – September 22<sup>nd</sup>, 2011** Green Sun Rising Inc., Windsor longest operating Renewable Energy Company, will provide a small Off-Grid Solar System for the Southern Ontario Fall Home Show & Green Living Expo in Windsor, on Saturday 24<sup>th</sup> at the Windsor Expo Centre.

The system consists of two 245W poly crystalline solar photovoltaic modules, a 1000W inverter, a charge controller and two 12V / 70 A deep discharge marine type batteries. This Saturday the system will be used to power a radio show broadcasted live from the Fall Home Show from 10:00 a.m. to 2:00 p.m.

“But” as Zbigniew Bogusz, Green Sun Risings Senior Electric Consultant explains, “of course our off-grid system is not limited to that application. In case of a power blackout a fully charged system could power your TV, your laptop and your fridge or maybe your sump pump.”

As simple as the device may look from the outside, it is a sophisticated piece of solar technology. The charge controller for example makes sure that the maximum possible amount of solar power from the panels is harvested and used to charge the batteries. The controller will also prevent the batteries from overcharging and assures their optimum performance, and a long life. On the other hand, the inverter produces the required 120 volt AC power (similar to home wall outlet) and alarms if battery voltage goes too low. It can even automatically disconnect the load preventing excessive discharge of the battery.

The array is conveniently installed on a transportable mounting system, custom designed and built by mounts4solar, a Windsor based manufacturer of solar mounting system and a subsidiary of Green Sun Rising Inc.

The system will be on display on Saturday for interested visitors and the press. Green Sun Rising also sells these and larger sized off-grid systems as a power backup for residential home owners. In addition the company supplies and installs turnkey grid connected Solar Photovoltaic, Solar Thermal and Solar Hot Air systems.

For more information, please visit [www.GreenSunRising.com](http://www.GreenSunRising.com) or contact the company at [info@GreenSunRising.com](mailto:info@GreenSunRising.com).

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