

Matrix Energy supplies Stand-Alone PV system with Grid back-up

Montreal, December 9, 2011 - As one of Canada's leading distributors of renewable power equipment, Matrix Energy Inc is pleased to announce the completion of a 2.64 kWp Stand-Alone (autonomous) Solar Photovoltaic (PV) system with Grid back-up for Centre d'Innovation et de Technologies Industrielles de Granby (CITIG) in the province of Quebec.

The system comprises twelve 220 Wp monocrystalline PV modules, two OutBack FlexMax60 MPPT charge controllers, an OutBack 2.5 kW / 24 VDC pure sine wave inverter/charger, 11.5 kWh battery bank and accessories. The PV modules were installed on custom mounting hardware on the south facing façade, in a manner to showcase photovoltaic technology to visitors of this new building. Electricity generated by the PV array charges a battery bank, which in turn powers the building's outdoor lighting system via the inverter. If the battery bank becomes discharged during lower solar insolation months, the electric utility serves to re-charge the batteries through the inverter's integrated charger. The system can be expected to generate approximately 3,000 kWh per year of clean, emissions-free electricity.

Matrix Energy provided system design, product supply and technical support to project partners Teknika-HBA and Basque Electrique Racine. "We are seeing increased demand for Stand-Alone PV systems with Grid back-up, especially from our commercial and institutional customers," says Andrew Wilkins, Sales Manager for Commercial and Government accounts at Matrix Energy, "It allows for the customer to offset some of their electricity use with clean solar power while benefitting from utility power when needed."



About Matrix Energy Inc:

Matrix Energy (www.matrixenergy.ca) works with building professionals, designers, architects and engineers in designing, specifying, and supplying different products for the sustainable use of energy. Matrix provides solar integrated electric systems for new and existing buildings to help reduce total dependency on conventional energy sources.

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