

Matrix Energy commissions 5.88 kWp 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 5.88 kWp Stand-Alone (autonomous) Solar Photovoltaic (PV) system with Grid back-up for Ecole Eureka, a primary school in the province of Quebec.

Matrix Energy designed, supplied and commissioned the system, comprising twenty four SolarWorld 245 Wp monocrystalline PV modules, 30 kWh AGM battery bank, two Outback FlexMax80 MPPT charge controllers and a Xantrex 4.5 kW / 48 VDC inverter/charger pre-assembled on an E-panel. The PV array was installed on custom mounting hardware with ballast on the school's flat roof. Electricity generated by the PV array charges a battery bank, which in turn powers some the building's loads 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 6,800 kWh per year of clean, emissions-free electricity.

Matrix Energy was pleased to provide system design, product supply, technical support and commissioning services to project partners Teknika-HBA and PP Deslandes. "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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