

Net-Metering In Ontario using Solar PV



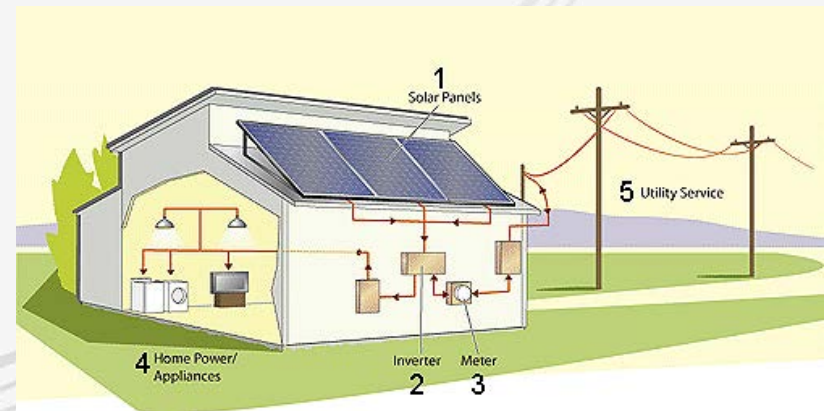
About Frankensolar Americas Inc.

- Established in 1990 in the Franken region of Germany
- North American Division established in 2011
- 15 employees in Brampton, Ontario
- Canada's leading Distributor of grid tied PV Products with annual volume exceeding 20MW
- Long-standing relationships with leading manufacturers of Solar PV Equipment



How does Solar Net-Metering Work

- Solar Modules are mounted on to Roof
- Solar Modules produce Direct Current (DC) Electricity
- Direct Current Electricity is converted to Alternate Current (AC) by the Inverter
- Electricity is used by your home, school, business
- Excess Electricity is sent to the grid and you will receive a Credit from the Local Distribution Company (LDC)



Benefits of Net-metering

- Cost Certainty
- Low Production Cost (usually \$0.05-0.10/kWh)
- Possibility of reduced Peak Demand in Commercial Application
- Grid acts as Virtual Storage
- Helps create a Decentralized Electricity Grid
 - Production Close to Consumption
 - Lower Infrastructure Cost
 - Less Line-Loss

Important Considerations

- What is my annual electricity consumption (kWh/Year)
- What is the cost of electricity and how will it evolve
- How much does my kWh cost via Net-Metering (system cost – kWh Produced over 25yrs)
- Am I planning to stay in the building for a while?
- When will I need to replace my roof?

Considerations when Choosing Equipment

- Is the Company Reputable?
- How long has Manufacturer been in business?
- Is Panel Manufacturer Tier 1?
- Has the Racking company have lots of experience with Canadian weather
- Does the inverter company certify warranty down to -40C
- Keep it Simple!!!



Choose the right partners



QPA Solar

Q&A