



2 Day Solar PV Workshop

This 2 Day workshop is designed to teach Solar PV systems theory with detailed calculations and hands-on practical. Focus is photovoltaic (PV) and student is equipped with solar PV field essentials.

All the instructors have years of experience in their respective fields.

Course binder, refreshment and lunch included in the course fee.

Fee for **GTA Ontario**: \$700.00 (4 weeks earlier), \$800.00 (thereafter) + HST

Workshop

Day-1: 9:30AM – 5:30PM (Theory and Concepts)

- Electrical concepts & terminology
- PV systems concepts & terminology
- PV systems types
- Detailed discussion of PV systems components (Modules, Inverters, Racking, Cables, etc.)
- Sun and PV system relationships
- Shade analysis and optimization
- 10 kW PV system sizing and optimization
- Industry practices

Day-2: 9-30 – 5:30PM (Hands-on Practical)

- Introduction to PV components and tools
- Introduction to Testing equipment (Volt, Ampere, Clamp, meters etc.)
- Components testing (modules, cables, Battery, etc.)
- Modules series, parallel, series-parallel connections [String & Array]
- Shade analysis and optimization
- PV systems ground mount, shingle roof and flat roof installations
- DC, AC & Hybrid PV systems connections, operations, measurements & observations

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Solar Training Academy

<http://www.solartraining.ca>

Location: Greater Toronto Area (Scarborough, Pickering or Richmond Hill)