



**SOLAR ENERGY  
INTERNATIONAL**

Educate. Engage. Empower.

**GENERAC®**

# ADD SOLAR TO YOUR BUSINESS!

EXPAND YOUR BUSINESS to include solar. As a Generac authorized dealer, you are eligible for discounted solar training. From introductory to advanced hands-on courses, SEI can customize a training path based on what you need.



## FOUNDATION: PV101

### Solar Electric Design and Installation (Grid-Direct)

PV101 is the gateway to a career in the solar industry. Whether you are installing residential, commercial, or off-grid systems, it all starts with the fundamentals, and a solid understanding of various components, system architectures, and applications for PV systems. Students will



understand the core concepts necessary to work with PV systems, including: system components and configuration; site analysis and solar resource data; PV module specifications and selection criteria; mounting solutions; sizing of residential size grid-direct systems; overcurrent protection and grounding; and safety and commissioning.

## SALES & BUSINESS: PVOL206

### Solar Business & Technical Sales (Online)

PVOL206 focuses on important technical considerations for PV sales professionals, including financial analysis and system financing. Through insightful presentations and instruction from experts working in the field, the course covers technical details needed to assess potential residential PV sites and to create and present accurate sales proposals.



Use code **generac** to receive **\$150 OFF** each registration.

**TO SIGN UP:** REGISTER ONLINE: [solarenergy.org](http://solarenergy.org) **OR** CALL: US 970.527.7657 | International 001.970.527.7657



# INCREASE YOUR CUSTOMER BASE!

Get a leg up on your competition and expand the services your business can offer clients by taking advantage of SEI's training.

## HANDS-ON: PV201L & PV301L

### Solar Electric Lab Week [Grid-Direct & Battery-Based]

PV201L offers five days of hands-on installation practice with grid-direct systems. By working in small groups, students will put what they've learned in PV101 to the test. Students will fully install and commission a wide variety of system types before testing the system, then de-commissioning and breaking down.



PV301L offers students the opportunity to safely install, test, and commission battery-based PV systems. Lab stations are comprised of both stand-alone and grid-tied with battery back-up systems, and include both AC and DC coupled systems. Integrating generator back-up will also be covered. Students will learn fundamental procedures for safe installation and commissioning practices, as well as battery safety considerations.

## ADVANCED DESIGN: PV304

### Advanced PV Stand-Alone System Design [Battery-Based]

The PV industry began with off-grid systems, and with so many new applications for stand-alone power, equipment advancements and cost reductions, the energy storage sector is growing like never before. This advanced course covers detailed load analysis, charge controllers, PV array sizing, stand-alone inverters, as well as numerous design examples that address the wide-ranging specifics of off-grid applications. Also covered is generator sizing and integration, maintenance for stand-alone systems, National Electrical Code (NEC®) requirements, and a healthy dose of best practices that have been learned through years of experience. Advance your PV knowledge well beyond where the grid goes!



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