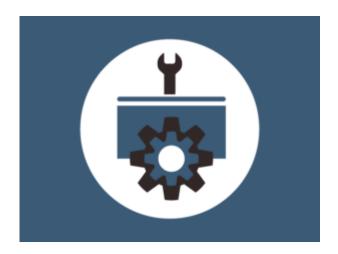
## Solar PV Electrical Safety Infographic



# Solar PV Electrical Safety



According to the U.S. Bureau of Labor Statistics, solar photovoltaic installer jobs are expected to grow 51% between 2019 and 2029, increasing at a much higher rate than the average of all occupations. Learn how to stay safe while working with or around solar panels.

expected growth in solar PV installer jobs by 2029 making it the 3rd fastest growing occupation.

Between 2011 and 2019, 650 solar PV installers were injured on the job.

51% of injured solar PV installers were employed for 1-5 years.

### **PV Installation Electrical Safety**



Locate all overhead power lines.



Consider all overhead lines to be live, energized and dangerous.



Keep self and equipment 10 feet away from all overhead lines.



Carry ladders and other equipment horizontally when on the ground to avoid overhead lines.

#### **PV Panel Electrical Safety**



Solar disconnects only disconnect building from PV panels. Panels can still generate power.



Beware of bi-directional power, mark all bi-directional meters.



Never walk or climb on a solar PV panel.



Stay at least 10 feet away from solar installations,

#### In Case of Emergency Involving Solar Panels



Call 911 and notify first responders that PV are involved.



if possible, turn off AC side of solar panels. Solar panels may still generate DC power.



Remind first responders of the PV system.

Please share this free resource to save lives.







\*U.S. Bureau of Labor Statistics

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#### **Statistics**

- 51% expected growth in solar PV installer jobs by 2029, making it the 3rd fastest growing occupation
- Between 2011 and 2019, 650 solar PV installers were injured on the job
- 51% of injured solar PV installers were on the job for 1-5 years

#### **PV Installation Electrical Safety**

- Locate all overhead power lines
- Consider all overhead lines to be live, energized, and dangerous
- Keep yourself and equipment 10 feet away from all overhead power lines
- Carry ladders and other equipment horizontally when on the ground to avoid overhead power lines

#### **PV Panel Electrical Safety**

- Solar disconnects only disconnect buildings from PV panels. Panels can still generate power
- Never walk or climb on a solar PV panel
- Beware of bi-directional power, mark all bi-directional meters
- Stay at least 10 feet away from solar installations

#### In Case of Emergency Involving Solar Panels

- Call 911 and notify first responders that PVs are involved
- If possible, turn off the AC side of solar panels. Solar panels may still generate DC power
- Remind first responders of PV systems

Source: Republished with permission from Electrical Safety Foundation International (ESFI)