

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.

Statistics*

51%

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

650

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

1-5 YEARS

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.**



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 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.



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*U.S. Bureau of Labor Statistics

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Statistics

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PV Installation Electrical Safety

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- Consider all overhead lines to be live, energized, and dangerous
- Keep yourself and equipment 10 feet away from all overhead power lines
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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
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- 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)*