

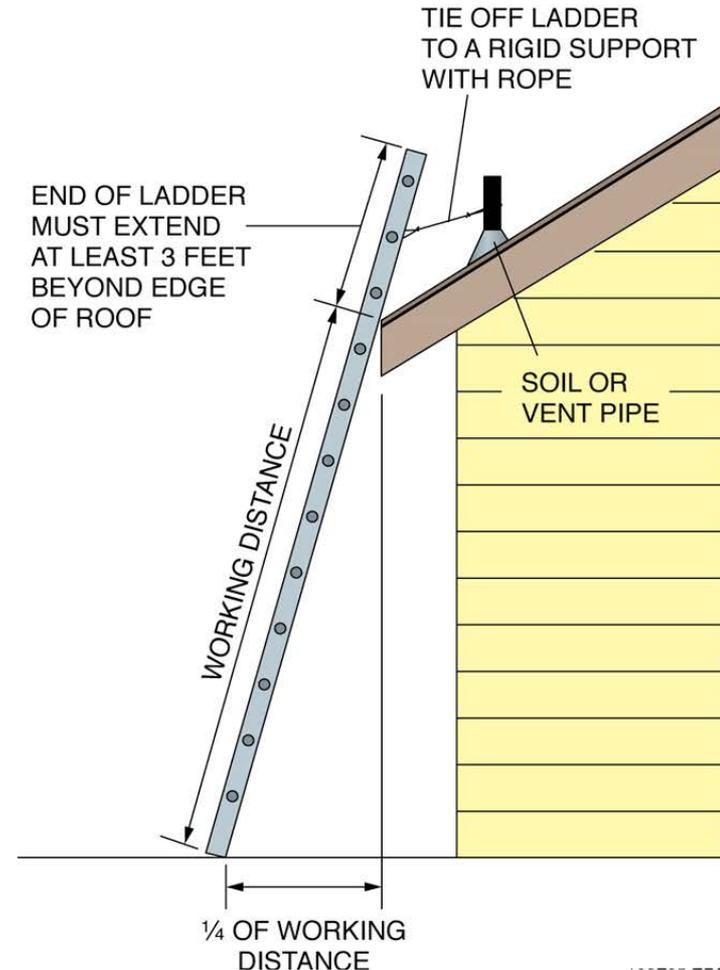
# Maintenance & Safety

- Ladder Safety
- Electrical Precautions
- Back feeding - No power in outages without batteries
- High Voltage Present (String Inverters higher than micro-inverters)
- Grounding
- Battery Maintenance

# Maintenance & Safety

## Ladder Safety

- Always have 3 points of contact
- 3' Clearance over what it is leaned up against
- Tie off an extension ladder
- Use the right grade for your application
- Always inspect a ladder before it is used



# Maintenance & Safety

## Fall Protection

- If you are going to work on a roof you should have fall protection.
- Harness, Anchor, Tie offs, and Lanyards



TEMPORARY ANCHOR WITH  
SELF-RETRACTING LIFELINE



FIXED ANCHOR WITH LANYARD AND  
AN ADJUSTABLE LANYARD

# Maintenance & Safety

## Ladder Safety

- It is always good idea to designate a fall hazard area.
- A person monitoring safety is always helpful.
- Never over reach or over extend Stay in your “green zone”.



# Maintenance & Safety

## Electrical Safety



Multi-meter/Amp-meter



Infrared Thermal Imaging



Gloves

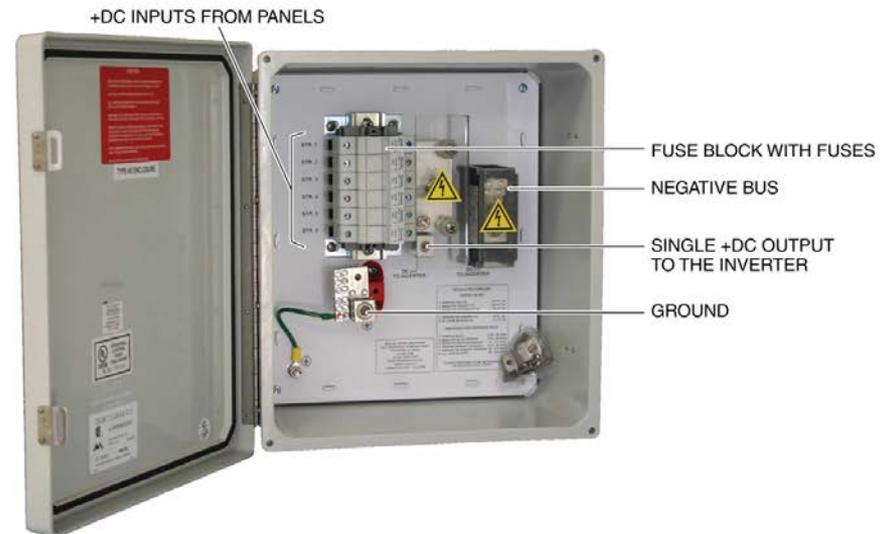


Insulated Tools

# Maintenance & Safety

## Fuse Protection

- Means of Disconnect for every power source or electronic device.
- Means of Isolating Every String
- Accessible Disconnect for Utility
- Clearly Labeled for Emergency personnel.



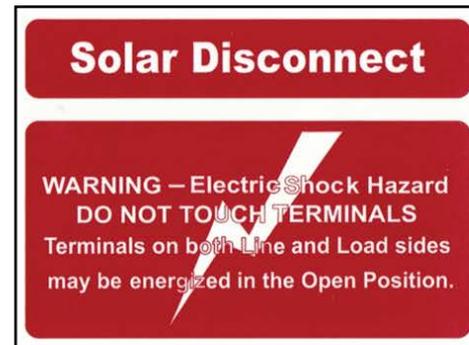
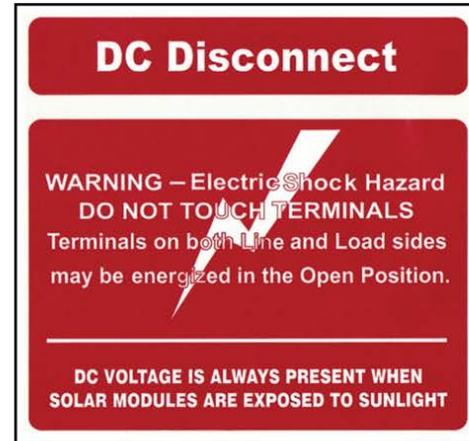
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# Maintenance & Safety

## Safety Placards



Utility

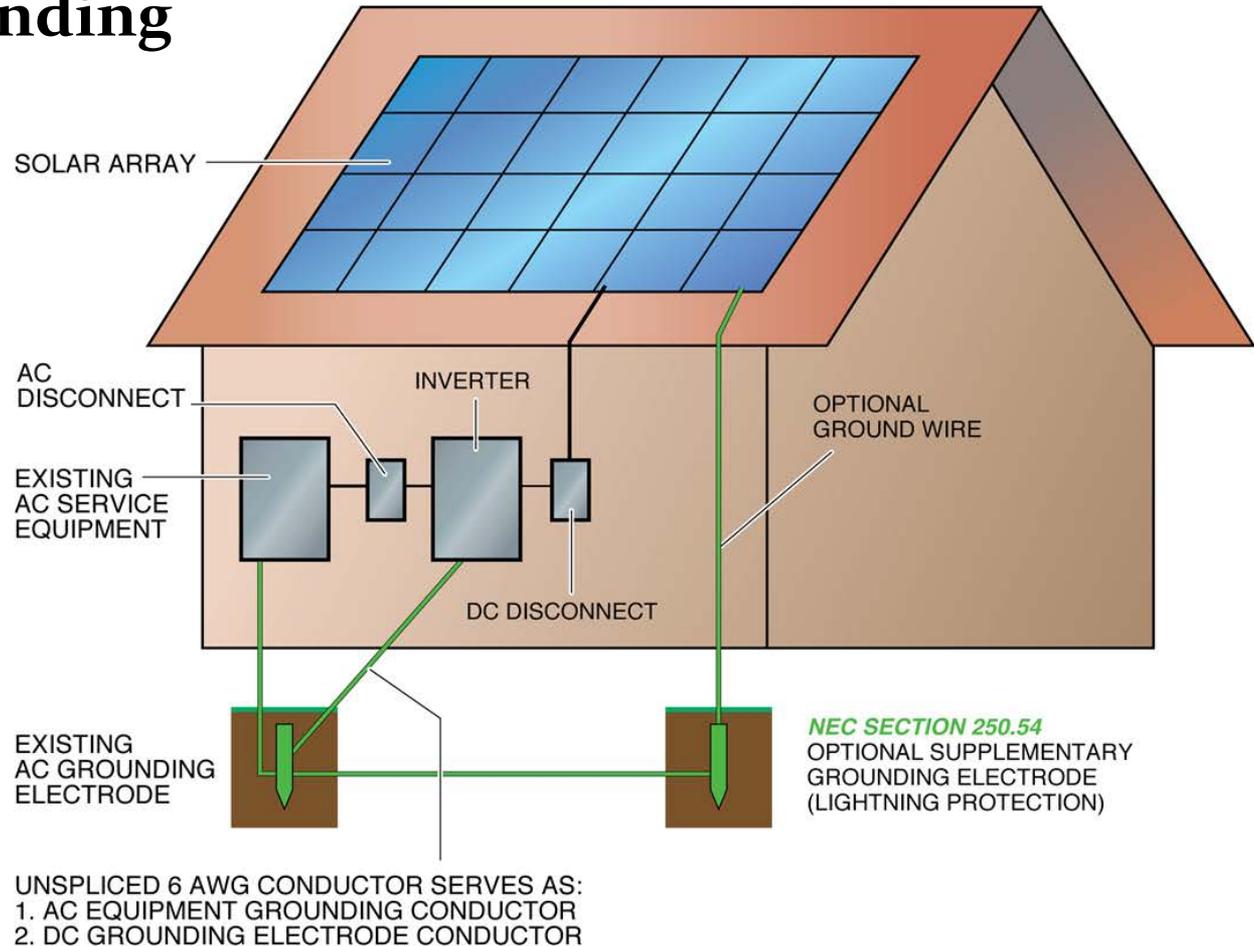


Disconnect

\*UL 1741 Safety Regulations

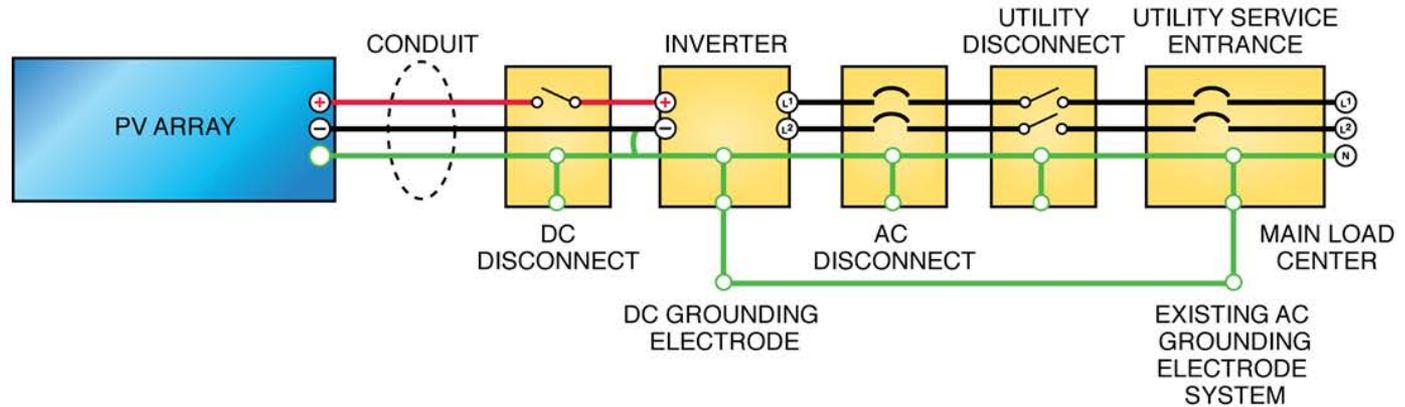
# Maintenance & Safety

## System Grounding



# Maintenance & Safety

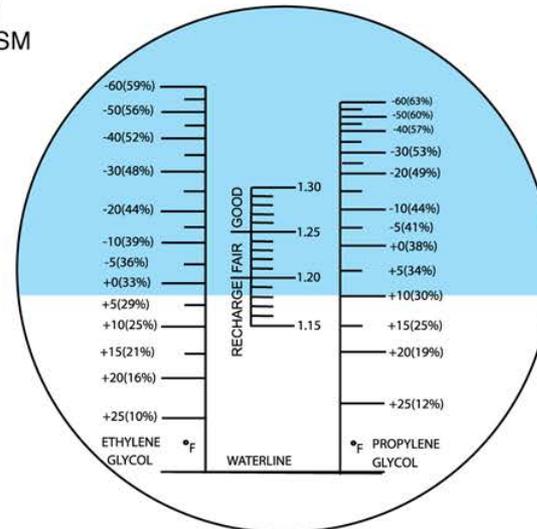
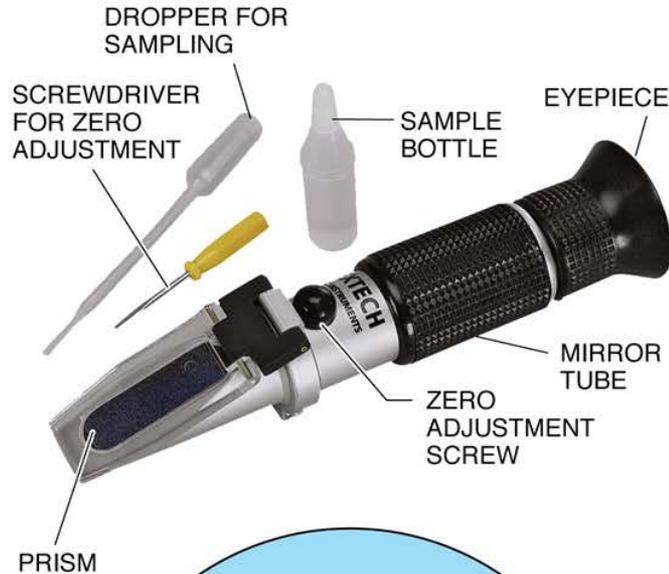
## System Grounding



# Maintenance & Safety

## Battery Maintenance

- Hydrometer/ Refractometer
- Baking Soda
- Safety Glasses
- Distilled Water
- Eye Wash Station



SAMPLE VIEW THROUGH EYEPIECE