

# Rooftop solar PV final inspection checklist

Rooftop solar PV final inspection is where the punch list is either short or expensive. This checklist walks the finished work the way an owner or AHJ will see it: devices on, systems running, everything labeled. Each item gets the photo that closes it instead of reopening it. Work is commonly verified against NEC (NFPA 70), the applicable building code, manufacturer's published instructions. Confirm the edition your authority having jurisdiction has adopted.

Who runs it: The install crew lead with the electrician, and the GC's superintendent for the walk before commissioning. When: After all modules are set and the electrical is terminated, at the commissioning and energization visit before the array is turned over.

## Modules and mechanical

- ☐ **Modules seated and clamps torqued to spec**  
Every module fully seated in the clamp, clamps torqued with a calibrated tool to the module and rail maker's value, marked after torque. 2 photos required
- ☐ **No module damage on the finished array**  
Glass free of cracks, chips or pressure marks; backsheet and frames undamaged; no footprints or point loads across the field. 2 photos required

## Grounding and wiring

- ☐ **Grounding and bonding continuous across the array**  
Bonding jumpers, lugs or listed clips at every rail and module per the system, equipment grounding conductor landed, continuity confirmed end to end. 2 photos required
- ☐ **Wire management holds conductors off the roof**  
Home runs and module leads clipped to the rack with listed clips or trays, drip loops formed, no conductors resting on or dragging the roof. 2 photos required
- ☐ **Conduit, combiner and inverter connections complete**  
Conduit fully supported and sealed at transitions, combiner and inverter terminations torqued, covers on, no open knockouts. 2 photos required

## Rapid shutdown and energization

- ☐ **Rapid-shutdown function and labeling in place**  
Initiation device installed and reachable, module-level shutdown devices present, placard and directory labels legible at the disconnect and inverter. 2 photos required
- ☐ **Commissioning and energization observed and documented**  
System brought online with the crew present, inverter status and string readings recorded, the commissioning record photographed. 3 photos required