

Solar panel installation checklist

Preparation

Readiness

- ☐ Inspection by contractor or engineer
 - ☐ Roof readiness approved
 - ☐ Electrical systems approved
- ☐ Safety gear purchased

Permitting

- ☐ Local electrical permits
- ☐ Local building permits
- ☐ Agreement with local utility
- ☐ Applications for incentives

Components

- ☐ Solar panel brand & model:

- ☐ Inverter:

- ☐ Mounting equipment
- ☐ Battery and charge controller (optional)
- ☐ Wiring

Wiring plan

Panel wiring: ☐ series ☐ parallel

Battery wiring: ☐ series ☐ parallel

Installation

Mounts & panels

- ☐ **Roof:** Identify rafters
- ☐ **Roof:** Bolt mounts to rafters
- ☐ **Ground:** Have local authority identify power/septic lines
- ☐ **Ground:** Excavate & build foundation
- ☐ **Ground:** Install mounts
- ☐ Rent a lift or scaffolding
- ☐ Attach panels to mounts according to manufacturer instructions

Inverter(s) & energy storage

- ☐ Install inverter(s)
 - ☐ For **microinverters**, connect them to the back of each panel
 - ☐ For a **central inverter**, mount it to your wall and connect panel strings
- ☐ Bond the inverter(s) and battery

Final connections & approvals

- ☐ Wire panels to inverter(s)
- ☐ Gain grid connection permissions & a permission to operate from a municipal government rep & your local utility
- ☐ Connect to the grid & turn on your system