

1. Suitability

- Balcony faces S / SE / SW / E / W
- 4+ hours direct sun in summer
- Railing solid (metal/concrete)
- Landlord/HOA checked

3. Tools

- Drill + bits, wrench/socket set
- Tape measure, level, marker
- Gloves, safety glasses
- Ladder (if needed)

5. Mounting

- Railing clamps / J-hooks / ballast chosen
- Wind load checked for your floor
- Anti-theft fasteners installed

7. Moving Day

- Photos of install for landlord
- Disconnect: unplug, then unbolt
- Original railing hardware re-installed
- Pack panel face-up, padded

2. Kit & Budget

- Panel(s) selected ($\leq 395W$ CO no-electrician)
- Microinverter matched to panel
- Mounting hardware for railing type
- Outdoor extension cord (UL/ETL)

4. Install Steps

- Unbox & inspect, no shipping damage
- Mount brackets, torque to spec
- Attach panel, secure all bolts
- Connect microinverter MC4s (click)
- Plug into dedicated outdoor outlet
- Verify production in app

6. Electrician Tier

- Under state no-electrician limit? (CO: 395W)
- If over (CO 1,920W tier): licensed install
- Permit pulled if required locally

8. Troubleshooting

- No power → check breaker + outlet
- Low output → clean panel, check shade
- App offline → re-pair Wi-Fi