

# SOLAR PANEL SYSTEM MAINTENANCE CHECKLIST

## GENERAL INFORMATION

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Location: \_\_\_\_\_

### Solar Panels

- Yes  No — Panels are free from cracks, chips, or visible damage
- Yes  No — Panels are clean and free from dust, dirt, or bird droppings
- Yes  No — No shading from trees, structures, or debris is affecting performance

### Mounting & Structural Integrity

- Yes  No — Mounting hardware is secure and corrosion-free
- Yes  No — Roof or ground structure supporting panels is intact and stable
- Yes  No — Panels are aligned correctly without displacement

### Wiring & Electrical Connections

- Yes  No — Cables and wires are free from wear, cuts, or fraying
- Yes  No — Electrical connections are tight and corrosion-free
- Yes  No — Conduit and cable management are intact and properly secured

## **Inverter & Control Systems**

- Yes  No — Inverter is functioning correctly with no error messages
- Yes  No — Cooling system for inverter is working and free of dust buildup
- Yes  No — Indicator lights and display panels show normal operation

## **Battery Storage (if applicable)**

- Yes  No — Batteries are properly charged and discharging as expected
- Yes  No — Battery terminals are clean and free of corrosion
- Yes  No — Ventilation around batteries is adequate and unobstructed

## **Safety & Compliance**

- Yes  No — Electrical safety labels and warnings are clearly visible
- Yes  No — Fire safety measures are in place near solar installations
- Yes  No — System complies with local electrical and building codes

## **Performance Monitoring**

- Yes  No — System output is consistent with expected performance levels
- Yes  No — Monitoring equipment/software is working correctly
- Yes  No — Historical performance data shows no irregularities

## FINAL NOTES

Inspector Comments:

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Inspector Name: \_\_\_\_\_

Inspector Email: \_\_\_\_\_

Inspection Date: \_\_\_\_\_

I confirm this inspection was completed accurately

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