

SOLAR PANEL ARRAY INSPECTION CHECKLIST

GENERAL INFORMATION

Name: _____

Date: _____

Location: _____

Panel Condition

☐ Yes ☐ No — Glass surfaces are free of cracks or discoloration

☐ Yes ☐ No — Frames are intact and securely fastened

☐ Yes ☐ No — Cells show no visible delamination or hot spots

☐ Yes ☐ No — Labels and serial numbers are legible

Mounting & Structure

☐ Yes ☐ No — Racks and brackets are stable with no corrosion

☐ Yes ☐ No — Fasteners are tightened to manufacturer torque

☐ Yes ☐ No — Structural supports are free of deformation

☐ Yes ☐ No — Grounding of mounting system is effective

Electrical Connections

☐ Yes ☐ No — Cables are properly routed and insulated

☐ Yes ☐ No — Connectors are tight and corrosion-free

- ☐ Yes ☐ No — Junction boxes are sealed and labeled
- ☐ Yes ☐ No — Inverter input voltage within expected range

Performance & Monitoring

- ☐ Yes ☐ No — System output matches design specifications
- ☐ Yes ☐ No — Monitoring software reports no errors
- ☐ Yes ☐ No — Bypass diodes function correctly
- ☐ Yes ☐ No — No unexpected shading or debris on panels

FINAL NOTES

Inspector Comments:

Inspector Name: _____

Inspector Email: _____

Inspection Date: _____

☐ I confirm this inspection was completed accurately