

Solar Panel System Inspection Checklist Template

 Show only Checklist

Display Style
Default 

Panel Condition & Performance

Assesses physical damage and energy production.

Panel Voltage (V)

Enter a number...

Panel Current (A)

Enter a number...



Panel Temperature (°C)

Enter a number...

Visible Damage (Cracks, Discoloration)

- None
- Minor
- Moderate
- Severe

Panel Soiling (Dirt, Debris)

- None
- Light
- Moderate
- Heavy

Panel Performance Notes (Production compared to expectations)

Write something...

Panel Image (Optional)

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Wiring & Electrical Connections

Evaluates the integrity and safety of electrical components.

Wire Gauge (AWG)

Wire Insulation Condition

- Excellent
- Good
- Fair
- Poor
- Damaged

Connector Security

- Secure
- Loose
- Corroded
- Disconnected

Voltage Reading (V)

Continuity Test Result (Ω)

Enter a number...

Notes on Wiring or Connections

Write something...

Grounding Condition

- Good
- Questionable
- Missing

Mounting Structure & Hardware

Checks the stability and condition of the mounting system.

Mounting Bolt Torque (Nm)

Enter a number...

Rail Condition

- Excellent
- Good
- Fair
- Poor

Panel Attachment Method

- Clips
- Bolts
- Other

Notes on Mounting Structure Condition

Write something...

Number of Cracked/Corroded Components

Enter a number...

Evidence of Movement/Shifting?

- Yes
- No
- Unsure

Inverter Performance & Diagnostics

Verifies inverter operation and identifies potential issues.

DC Voltage (V)

Enter a number...

AC Voltage (V)

Enter a number...

Input Current (A)

Enter a number...

Output Power (kW)

Enter a number...

Error Codes Present?

Yes

No

Description of Error Codes (if any)

Write something...

Inverter Cooling System Functioning?

- Adequate
- Marginal
- Poor

Last Firmware Update Date

Enter date...

Safety Equipment & Labeling

Confirms the presence and condition of safety devices and clear labeling.

Emergency Shut-off Labels Present & Visible?

- Yes
- No
- N/A

Warning Labels Present (High Voltage, etc.)?

- Yes
- No
- N/A

Personal Protective Equipment (PPE) Availability?

- Yes
- No
- Partial

Quantity of Fire Extinguishers?

Enter a number...

Fire Extinguishers Last Inspection Date Verified?

- Yes
- No
- N/A

Date of Last Safety Training?

Enter date...

Notes on Safety Equipment or Labeling Issues

Write something...

Environmental Factors & Vegetation

Identifies potential environmental impacts and vegetation encroachment.

Ambient Temperature (°C)

Wind Speed (m/s)

Weather Conditions

- Clear
- Cloudy
- Rain
- Snow
- Fog

Vegetation Encroachment

- None
- Minor
- Moderate
- Severe

Description of Vegetation Concerns

Write something...

Evidence of Animal Activity

- No
- Yes - Nesting
- Yes - Tracks
- Yes - Other

Notes on Animal Activity (if applicable)

Write something...

Record Keeping & Documentation

Ensures proper record-keeping and documentation of inspections.

Inspection Date

Enter date...

Inspection Time

Enter time...

Panel Serial Number (if applicable)

Enter a number...

Inspector Name

- Option 1
- Option 2
- Option 3

Notes/Observations

Write something...

Supporting Documents (e.g., previous inspection reports)

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Next Inspection Due

- 1 Month
- 3 Months
- 6 Months
- 12 Months

Inspector Signature
