

Solar Panel Electrical Construction Inspection Checklist

Project Name:

Location:

Date of Inspection:

Inspector Name:

Contractor:

1. Documentation

| Item | Yes | No | N/A | Comments |
|-------------------------------------|-----|----|-----|----------|
| Approved electrical drawings onsite | | | | |
| Permits and approvals available | | | | |
| Manufacturer data sheets provided | | | | |

2. Equipment Installation

| Item | Yes | No | N/A | Comments |
|-----------------------------------|-----|----|-----|----------|
| PV panels installed as per design | | | | |
| Inverters fixed securely | | | | |
| Junction/combiner boxes labeled | | | | |

3. Wiring & Connections

| Item | Yes | No | N/A | Comments |
|-----------------------------------|-----|----|-----|----------|
| Cable sizes as per specs | | | | |
| Proper cable routing and supports | | | | |
| No loose or exposed wires | | | | |
| Correct polarity observed | | | | |

4. Grounding & Bonding

| Item | Yes | No | N/A | Comments |
|--------------------------------|-----|----|-----|----------|
| Grounding conductors installed | | | | |
| Panel frames bonded | | | | |
| Earth resistance measured | | | | |

5. Safety Elements

| Item | Yes | No | N/A | Comments |
|---------------------------------------|-----|----|-----|----------|
| Disconnect switches installed/labeled | | | | |
| Warning signs/labels in place | | | | |
| No exposed live parts | | | | |

Comments/Notes

Inspector Signature: _____

Date: _____