

# Renewable Energy Integration Inspection Checklist

Project Name:		Date:	
Location:		Inspector:	

## 1. Documentation

Item	Yes	No	Remarks
System design and single-line diagrams available			
All permits and approvals obtained			
Operation and maintenance manuals provided			

## 2. Equipment Inspection

Item	Yes	No	Remarks
PV panels/wind turbines installed correctly			
Inverters and controllers securely mounted			
Wiring and connections properly labeled			
Grounding and bonding properly installed			

## 3. System Testing

Item	Yes	No	Remarks
Insulation resistance test performed			
Polarity and continuity verified			
System startup and operation verified			
Grid synchronization checked			

## 4. Safety Compliance

Item	Yes	No	Remarks
Warning labels and signage in place			
Emergency disconnects accessible			
PPE used during inspection			

## 5. Integration and Communication

Item	Yes	No	Remarks
Monitoring system operational			
Data logging and reporting functional			

Grid operator communication tested			
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**Final Comments & Observations**

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**Inspector Signature**

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