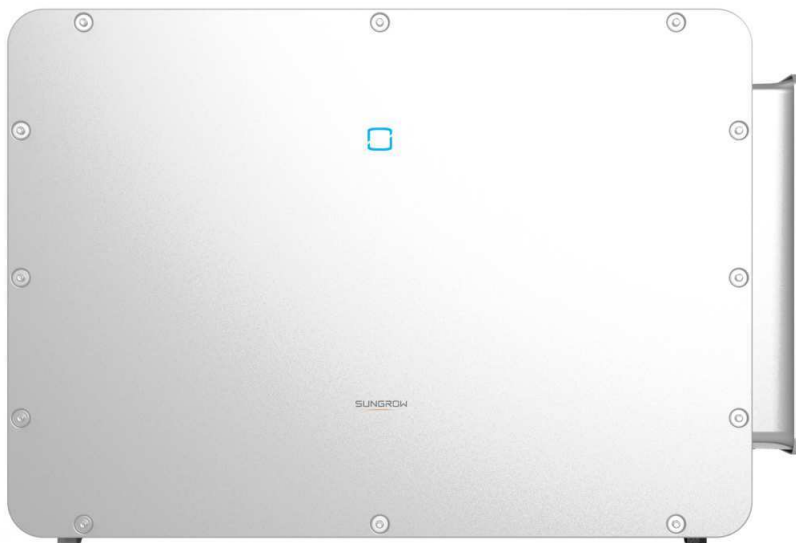


Technical Handover Checklist

Grid-Connected PV Inverter

SG285HX / SG320HX / SG333HX / SG350HX/SG305HX /
SG320HX-20 / SG350HX-20



1 Project Information Form

table 1-1 Project Information Form

Project Name
Project Address
Contractor
Scope of Delivery
Device Model & Quantity

Handover Details

Signature of Receiver

Name:

Date (MM/DD/YYYY):

Signature of Issuer

Name:

Date (MM/DD/YYYY):

2 Technical Handover Checklist

Mechanical Installation Inspection

No.	Inspection Item	Inspection Details	Checked (✓) / Not Completed (×)
1	Installation Angle	Verify that the installation angle complies with design specifications.	
2	Bolt Tightening	1 Ensure that the mounting brackets and PV brackets are secured with bolts tightened to the required torque of 35 N · m. 2 Verify that no bolts are missing for the inverter or its mounting components.	
3	Label Fixing	Labels must not be secured with self-tapping screws (non-compliant method).	

Grounding Cables Inspection

No.	Inspection Item	Inspection Details	Checked (✓) / Not Completed (×)
1	Internal Grounding Cables	Confirm secure connection of internal grounding cables.	
2	External Grounding Cables	Verify that the external protective grounding connections for the inverter's enclosure and mounting frame are securely established.	

AC Side Inspection

No.	Inspection Item	Inspection Details	Checked (✓) / Not Completed (×)
1	Bolt Tightening	Verify that all bolts are securely tightened.	

No.	Inspection Item		Inspection Details	Checked (✓) / Not Completed (×)
2	AC	Side Sealing	Ensure that the AC cable entry points are properly sealed. Inspect the rubber covers on unused communication terminals for any damage and verify they are properly sealed.	
3	Foreign objects		Ensure no foreign objects (tools, screws, accessory bags) are left inside the AC wiring compartment.	
4	Phase Sequence		For projects utilizing PLC communication, verify that the inverter's phase sequence matches that of the grid.	
5	AC	Cable Tension	Ensure that the AC cables are not under excessive tension.	
6	Heat	Shrink Tubing	Confirm that multi-core AC cables are fully sleeved with heat shrink tubing at their base.	
7	AC	Cable Insulation	Review the contractor's cable insulation test methodology and results for compliance with design specifications.	
8	AC	Circuit Breaker	Confirm the inverter's AC circuit breaker at MV substation side is OFF and rated parameters align with technical specifications.	
9	Neutral	Grounding	Verify transformer neutral point grounding. If grounded, initiate immediate corrective action.	
10	AC	Terminal Connection	Ensure AC output cables are securely connected with proper insulation protection.	

DC Side Inspection

No.	Inspection Item	Inspection Details	Checked (✓) / Not Completed (×)
1	DC Input Terminals Compatibility	Confirm the PV string connectors match the inverter ' s DC terminal specifications (type/rating).	
2	DC Input Terminals Engagement	Confirm that the DC connectors from the strings are properly inserted into the DC terminals of the inverter and that the crimped terminals inside the DC connectors are securely connected.	
3	DC Input Terminals Sealing	Ensure that unused DC input terminals of the inverter are sealed with appropriate waterproof plugs.	
4	DC Cable Tension	Ensure DC cables hang freely. If the cables are tightly stretched or if the DC connectors are subjected to downward or sideways force, the installation is considered non-compliant.	
5	DC String Polarity	Review records of PV string polarity measurements during installation.	
6	Voltage-to-Ground	Review records of PV string-to-ground insulation resistance measurements.	
7	DC Switches	Confirm that all DC switches on the inverter are in the ON position.	

Communication Cables Inspection

No.	Inspection Item	Inspection Details	Checked (✓) / Not Completed (×)
1	Communication Cables	Ensure that all communication cables are securely connected.	

No.	Inspection Item	Inspection Details	Checked (✓) / Not Completed (×)
		Verify that communication cables are routed separately from power cables.	
		Ensure that the lengths of the communication cables meet the requirement.	