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Precommissioning Checklist

Although each commissioning visit has slightly different goals and circumstances, the following is a list of typical tools, supplies, equipment, documents and access needs. Verify that you have what you need before leaving the office.

Testing and measuring equipment

- € Electrical
 - digital multi-meter
 - clamp meter
 - megohm-meter
- € Solar
 - irradiance meter
 - IR thermometer
 - Solmetric/Pathfinder
 - compass
 - inclinometer
 - good weather
- € Digital camera
- € Spare batteries (seriously!)
- € PDA, Smartphone or laptop loaded with spreadsheets for calculating results
- € Safety gear
 - insulating rubber gloves with leather protectors
 - safety glasses
 - insulating mat
 - hard hat
 - fall protection, if necessary

Tools

- € Ladder(s)
- € Torque wrench and sockets, extensions and adapters
- € Torque screwdriver and bits
- € 10-in-1 screwdriver
- € Channel locks
- € Cable-tie assortment
- € Tape measure
- € GFDI fuses
- € Long 2.5 mm Allen key for SMA external disconnect

- € Keys for central inverters
- € Keys for disconnects and panelboards
- € Lockout keys
- € Security hardware bits where needed
- € Label maker

Documents

- € Most recent drawings (as-built if possible)
- € Final punch list
- € Specifications (especially relating to commissioning)
- € Relevant rebate forms
- € Permit/AHJ inspection notes
- € Utility interconnection notes
- € Torque values
- € Inverter manual
- € Placards/stickers
- € Monitoring system information
 - manual
 - tech support phone numbers
 - Web logins
 - IP addresses
 - MAC addresses
 - serial numbers

Access (coordinate with owner or facility manager)

- € Roof, including locked closets and hatches
- € Inverter area/room/fence
- € Interconnection area, including ac disconnect
- € Bathroom

Personal Items

Calm and comfortable = reliable results

- € Snacks/lunch
- € Water
- € Sunglasses
- € Sunscreen
- € Windbreaker/layers
- € Sufficient time blocked out