

Application Note: Quick Commissioning Guide for SolarEdge Home Hub Universal 3-Phase Inverters

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This high-level application note refers to commissioning residential systems with two or three inverters out of which at least one of them is a Home Hub Universal 3-Phase (SE10K-RWB48). This guide also applies to expanding or modifying existing systems.

Overview:

It is important to leave the Leader - Follower detection as the last part of the commissioning process. Each inverter must be configured individually as a separate system. The Home Hub Universal 3-Phase must be the Leader inverter.

Steps:

1. Start by updating the inverter Firmware. You can update multiple inverters in parallel.
2. Once the update is completed, set the relevant country code.
3. Pair the inverter with the optimisers. Ensure the inverter is producing power. (An AC reset may be required).

If in an existing system the PV is removed from one inverter and installed to another– you should still pair both inverters including the one without PV so to erase its existing memory of optimisers. Additionally, remove any existing devices that are being decommissioned.

4. Continue by detecting and adding batteries – if any – to the individual compatible inverters. For the 48 Volt battery, go to Site Communication -> CAN -> Home Battery 48 Volts. **Do not select the Wide option.**
5. Update the battery Firmware and run a Self-Test.
6. At the Leader inverter, commission the 3 Phase Backup interface, any Smart Energy Devices and meters if applicable, then connect to the internet.
7. Now you are ready to do a follower detect.
8. Turn off all toggle switches and then perform an AC reset on all inverters. After one minute restore the AC and toggle switches.
9. Set your battery mode to all inverters, for example “Maximise Self-Consumption”. Set any other parameters that are relevant, such as export limitation etc. Enable the Backup interface and set a backup reserve if applicable. Update relevant serials in the monitoring portal.