Overview

This document describes the process to configure the communications network between the inverters for a site.

Ensure each inverter is fully connected. If Ethernet connection is being used with a laptop to connect to the inverter, ensure the Ethernet cable is connected to one of the inverters. Then, ensure that all of the inverters (up to 50) are powered on to form a cluster or network of inverters. Large sites will require multiple clusters. Power on and initialize each cluster one at a time.

More Information

See full Installation and Operation Manual for SOLECTRIX XGI 1000 & SOLECTRIX XGI 1500 on our website www.solectrix.com/support/documentation

Need Help?

Call Yaskawa Solectria Solar Technical Support & Service Department (978) 683-9700 ext 2
1. Before You Begin

Choose Connection Type
- Hard wired Connection
  Remove cover of the wiring box and connect an Ethernet cable to laptop and the port on the right side of the inverter.

- Connect Wirelessly
  Use WiFi enable device to connect to the default network using credentials below in the same way as to connect to an internet WiFi connection.

![WiFi SSID: XGI-00-006](image)
Password: Solectria
(Case sensitive)

2. SOLECTRIA XGI Startup Wizard

Visit xgi.solar via internet browser
Select inverter from list

Upon selection, the SOLECTRIA XGI Startup Wizard window will appear - Click Yes to continue setup.

If the window does not appear or is closed, the Wizard may be accessed from the menu in the upper left corner > Inverter Configuration > SOLECTRIA XGI Startup Wizard

Log in using credentials below
Default User Name: admin
Default Password: SolectriaSolar
(Case sensitive)

Troubleshooting: If the error “Page not found” occurs, turn mobile data OFF temporarily while setting up inverter.

3. Edit Inverter Name

Allows user to rename inverter while in admin mode. Default value is inverter serial number.

**Note:** Inverters may be renamed on this page, but are not designated to a network cluster* until the next step.

**“Network cluster” is a group of inverters that share a SSID and are connected together.**
- Review list to ensure all inverters for network cluster are listed
- If inverters are missing, power cycle until inverters display on list
- Rename inverters once all are displayed

**Note:** Network clusters have a max quantity of 50 inverters.

![YASKAWA SOLAR](image)

4. Inverter List

Allows user in administrator mode to add or remove inverters from network cluster.

Adding inverters to network cluster:
- Add All button - adds all inverters listed automatically
- Add button - add individually

Removing inverters from network cluster:
- Remove button - removes individually
Once done, click Next.

![YASKAWA SOLAR](image)

5. Time Zone Configuration

Allows user in admin mode to select display and inverter time zone.

Select the time zone inverter is installed in from the drop down menu.

Click Next to confirm selection.

**Note:** Upon selection, inverters will automatically synchronize with an internet time server

6. Wireless Network Configuration

Allows user to define the SSID for a network cluster of inverters.

Default SSID is made up of 3 components: Site ID, Cluster ID, and channel. Formatting for SSID is [Site ID]-[Cluster ID]-[Channel].

Any changes to the following values will be applied to all inverters in cluster.

- Define Site ID (unique 10-char, letters and numbers)
- Define Cluster ID (unique number)
- Define Channel (select from dropdown menu)
  Tip: If network is slow, try changing channels. Channel selected may have other devices on it.
  - Define SSID ([Site ID]-[Cluster ID]-[Channel])

WiFi Network can be disabled by deselecting the check box.

**Note:** If WiFi is disabled, inverter must be connected to laptop via Ethernet cable. Inverter WiFi cannot be turned back on wirelessly. Please exercise extreme caution when deciding to uncheck this box.

![YASKAWA SOLAR](image)

Once these steps are complete, the communications to all inverters in the network cluster are initialized.

For more information, please visit our website - www.solectria.com