Quick Installation Guide

Before starting the installation, make sure that the equipment is installed and connected by two qualified installers and/or licensed electrician and that all the required safety measures have been taken.

In addition to what is explained below, the safety and installation information provided in this manual must be read and followed. The technical documentation and the user manual and management software for the product are available at the website: http://www.power-one.com

The line drop shown above several MICRO inverters communicating with an Aurora Easy View have been connected by an Ethernet cable to the PC. Aurora Easy View is a browser-based monitoring tool available in Aurora Easy View Web Portal.

The equipment is included safety devices suitable for the protection of components and operators. In addition to the equipment, the user once all MICRO serial numbers have been acquired.

1. Open the AURORA Easy View Web Portal in a browser. 
2. Type in the Web Portal IP address in the address bar of the browser and wait for the display of the Local Web Portal.
3. Pressing the UP and DOWN buttons simultaneously for 3 seconds, then enter the password (0010) to access to advanced menus.

5. Consequences of a system employing AURORA MICRO inverters

AURORA MICRO inverters are inverters for PV systems, where all the inverters and panels outputs are optimized independently of others. This differs from a system with a single inverter, where all the panels outputs are connected in series. This may reduce the output power of the whole system, the results of which depend on a number of factors and circumstances, for example, the type of panels, the availability of space, the future location of the system, energy production goals over the long term, etc.

The inverter is mounted in an enclosure and connected to the circuit board. If the equipment includes safety devices suitable for the protection of components and operators. In addition to the equipment, the user once all MICRO serial numbers have been acquired.

do not set network standards that do not match the installation country. Do not install outdoors! The equipment is not equipped to operate in environments with flammable or explosive conditions.

Installation

When using the Wi-Fi connection, make sure that the equipment is installed and connected by two qualified installers and/or licensed electrician and that all the required safety measures have been taken.

The procedure given in the installer manual do not replace the safety and installation information provided in this manual. The instructions given in the installer manual do not replace the safety and implementation information provided in this manual. The instructions given in the installer manual do not replace the safety and installation information provided in this manual.

1. Configuration with wireless-LAN (Wi-Fi)

The wireless connection of the CDD to the PC must be done by using a Wi-Fi route which replaces any bridging of the equipment. Before starting the connection process, make sure that a Wi-Fi route with standard IEEE 802.11 b/g, allowed and with access keys in addition to unprotected networks, with Wi-Fi and Wi-Fi protected protocols are selected.

2. Power-up and Wi-Fi configuration

Click on the icon “Set up wireless-LAN” in the configuration menu of the equipment. The equipment will be configured to connect with the last saved Wi-Fi network.

The AURORA MICRO inverter is to be associated with the PC and spectroscopy focused on protected networks without MAC addresses filters.

5. Consequences of a system employing AURORA MICRO inverters

AURORA MICRO inverters are inverters for PV systems, where all the inverters and panels outputs are optimized independently of others. This differs from a system with a single inverter, where all the panels outputs are connected in series.

1. Configuration with wireless-LAN (Wi-Fi)

The wireless connection of the CDD to the PC must be done by using a Wi-Fi route which replaces any bridging of the equipment. Before starting the connection process, make sure that a Wi-Fi route with standard IEEE 802.11 b/g, allowed and with access keys in addition to unprotected networks, with Wi-Fi and Wi-Fi protected protocols are selected.

2. Power-up and Wi-Fi configuration

Click on the icon “Set up wireless-LAN” in the configuration menu of the equipment. The equipment will be configured to connect with the last saved Wi-Fi network.

The AURORA MICRO inverter is to be associated with the PC and spectroscopy focused on protected networks without MAC addresses filters.

5. Consequences of a system employing AURORA MICRO inverters

AURORA MICRO inverters are inverters for PV systems, where all the inverters and panels outputs are optimized independently of others. This differs from a system with a single inverter, where all the panels outputs are connected in series.

1. Configuration with wireless-LAN (Wi-Fi)

The wireless connection of the CDD to the PC must be done by using a Wi-Fi route which replaces any bridging of the equipment. Before starting the connection process, make sure that a Wi-Fi route with standard IEEE 802.11 b/g, allowed and with access keys in addition to unprotected networks, with Wi-Fi and Wi-Fi protected protocols are selected.

2. Power-up and Wi-Fi configuration

Click on the icon “Set up wireless-LAN” in the configuration menu of the equipment. The equipment will be configured to connect with the last saved Wi-Fi network.

The AURORA MICRO inverter is to be associated with the PC and spectroscopy focused on protected networks without MAC addresses filters.
The display (composed by 24x16 characters) for each inverter can be used to navigate the menu by using the ON/OFF, ES, and ENTER buttons and actions - 
• Viewing operational status of the inverter and statistical data - 
• Viewing service messages for the unit - 
• Viewing plant and fault messages - 
• Changing the inverter settings

The 3 main menus allow access to:
Stats: Displays statistics of the plant and each MICRO inverter
Info: Information: displays data related to the CDD and the list of errors or warnings
Change settings: Allows changing the settings of the CDD

By pressing any button during the normal operation (when the display shows GENERAL INFORMATION) you gain access to the set up basic, and information screens related to the CDD.

The radio signal level between CDD and MICRO inverter can be checked through the Local Web Portal. In the section "RF signal wireless network" (in the menu "CE, cCSAus, FCC") the quality of radio communications can be considered.

The radio signal can be tested by the MICRO inverter as shown in the picture below:

1. Try and find the location for the CDD taking account the signal level through materials through which the radio signal has to pass:
2. Measure the signal using:
   - Open field
   - Shelves of approximately 10 meters
   - Room with many objects (radiator, books, paper, cardboard)
   - In a garage or in a room
   - Heavy metal / Concrete

As well as being used for acquisition of the MICRO inverters by the CDD, the Local Web Portal makes it possible to monitor the whole system constantly, showing the data for each individual inverter. The different menus are:

1. Web Server IP (optional)
2. IP AutoConnect
3. WiFi AutoConnect
4. WiFi SSID
5. WiFi Enabled
6. WiFi Deselect
7. WiFi Connect
8. WiFi Disconnect
9. WiFi Reconnect
10. WiFi Scan

• Viewing the operating status of the inverter and statistics data;
• Viewing service messages for the user;
• Viewing alarm and fault messages;
• Changing the inverter settings