Data Logger FAQ

How to log in on Logger1000-Web interface and set Feed-in Power Limitation

Applicable to: Logger1000

WiFi-login

Logger1000 supports WiFi-login. After the device is powered, check the SN code on the device and select the WiFi hotspot signal named SG-XXXX (XXXX is the device SN) to connect to WiFi.

Enter the default IP address of Logger 1000 in the browser address bar after the device is connected: 11.11.11.1 to open the device management interface, the initial password is pw1111.

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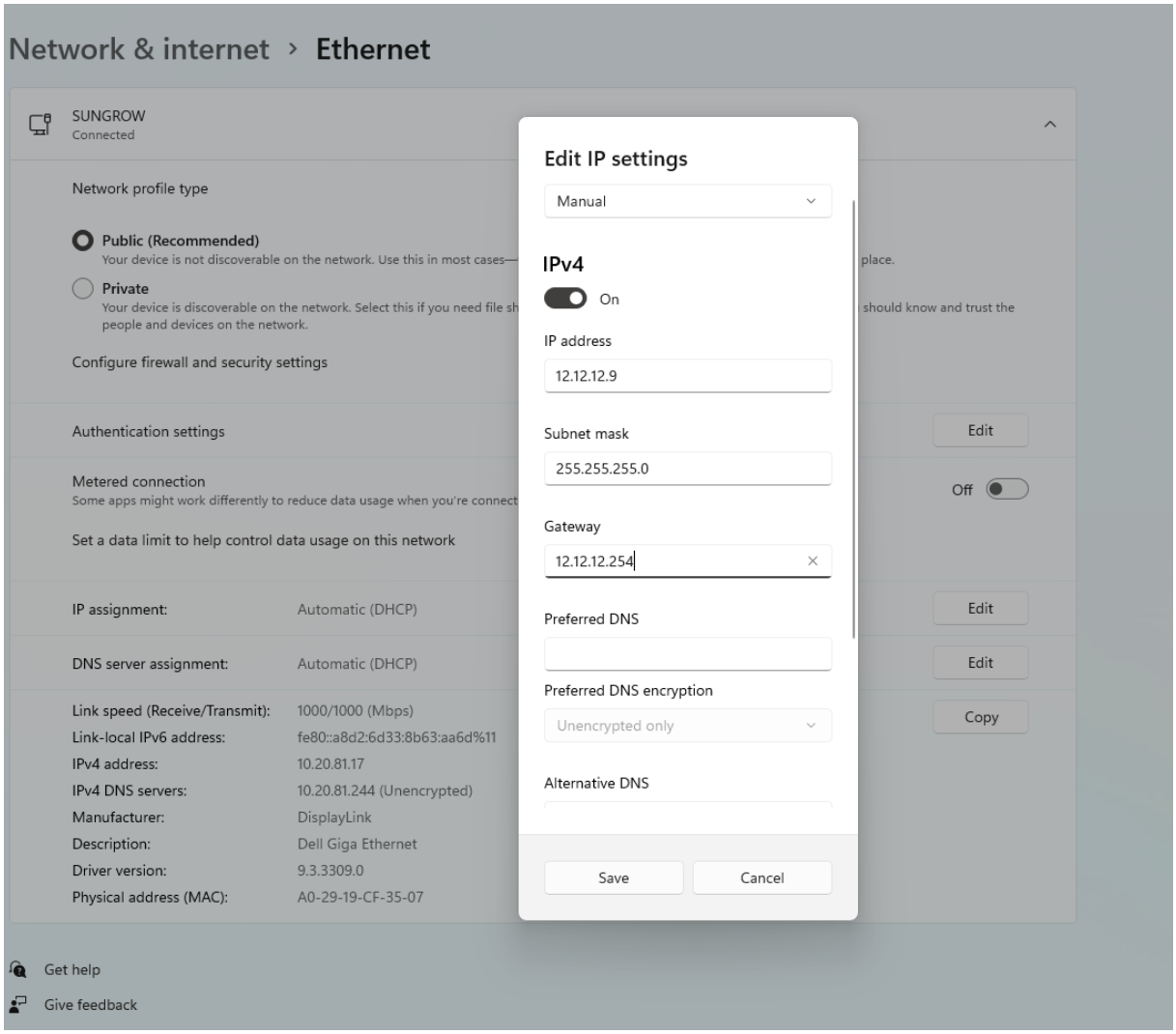
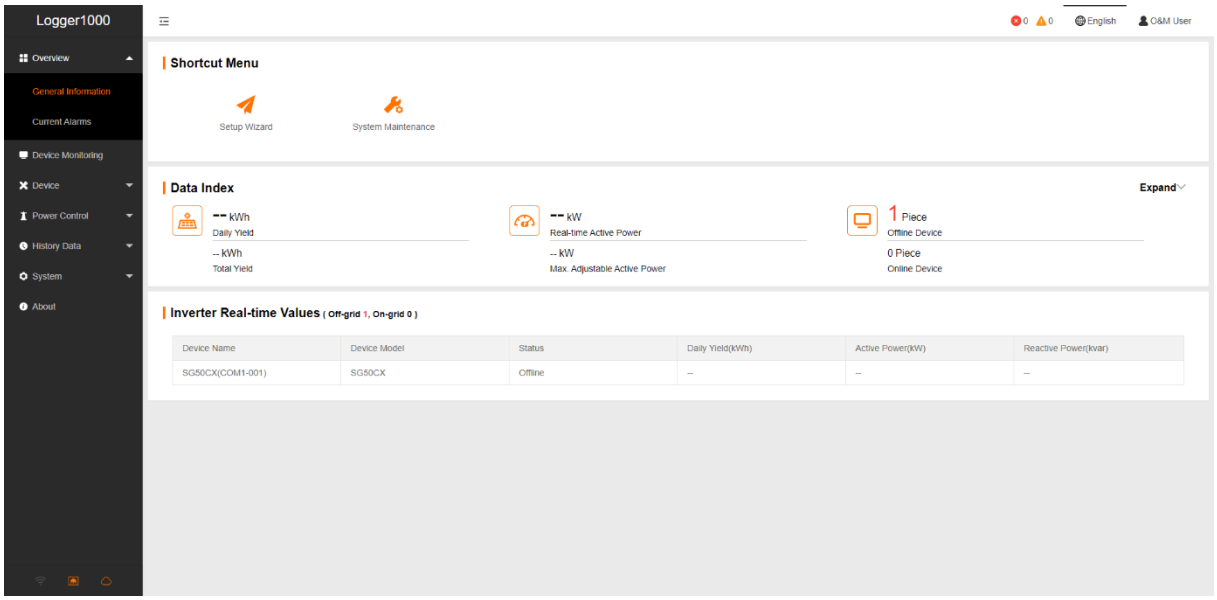
Ethernet login

Logger 1000 also supports Ethernet login. The default IP address of Logger 1000 is 12.12.12.12. First, after the device is powered, use the network cable to connect it with the computer, and change the IP address of the computer to make it in the same network segment as the device, as shown in the following figure.

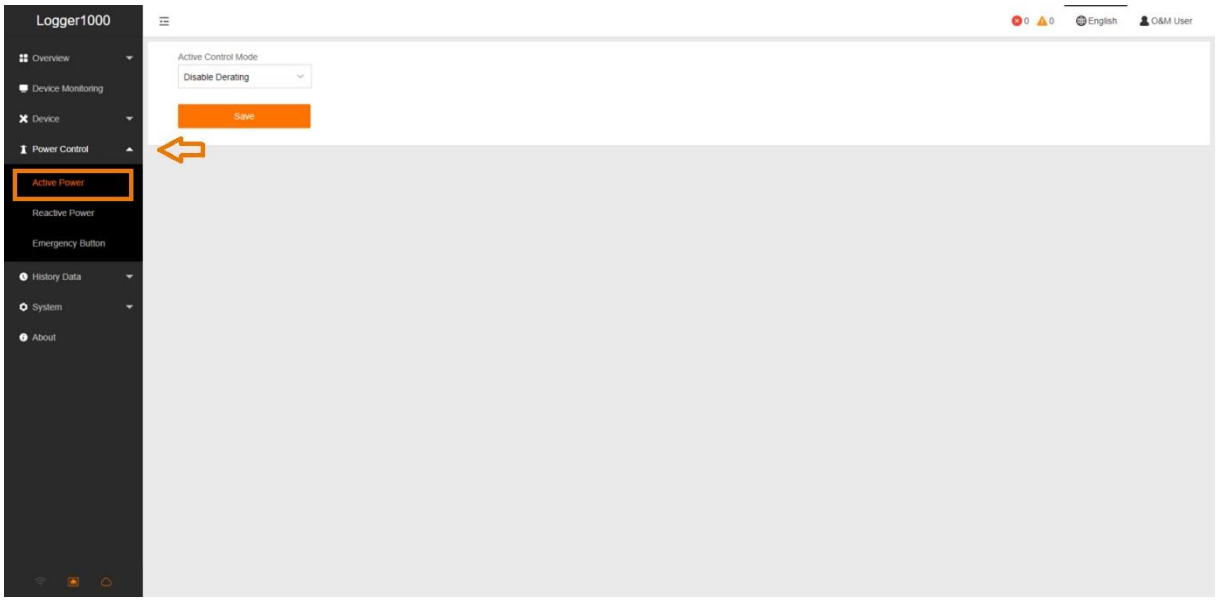


Enter the default IP address of Logger 1000 in the browser address bar after the device is connected: 12.12.12.12 to open the device management interface, and the initial password is pw1111. After logging in, the main interface of Logger1000 is shown in the following figure.

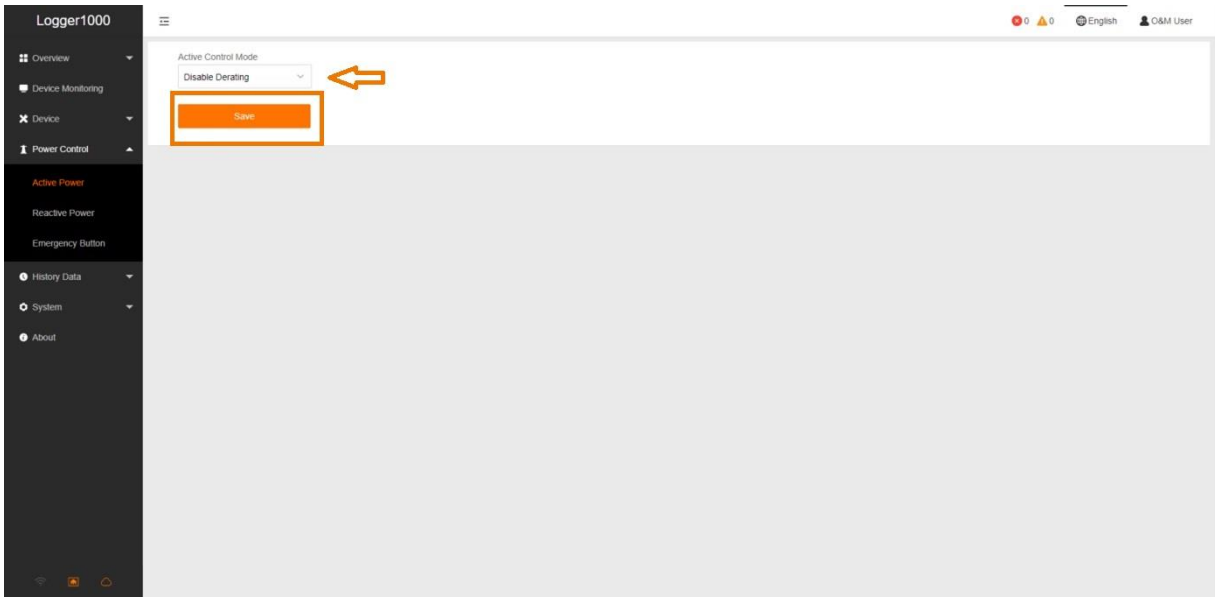


Active Power Settings

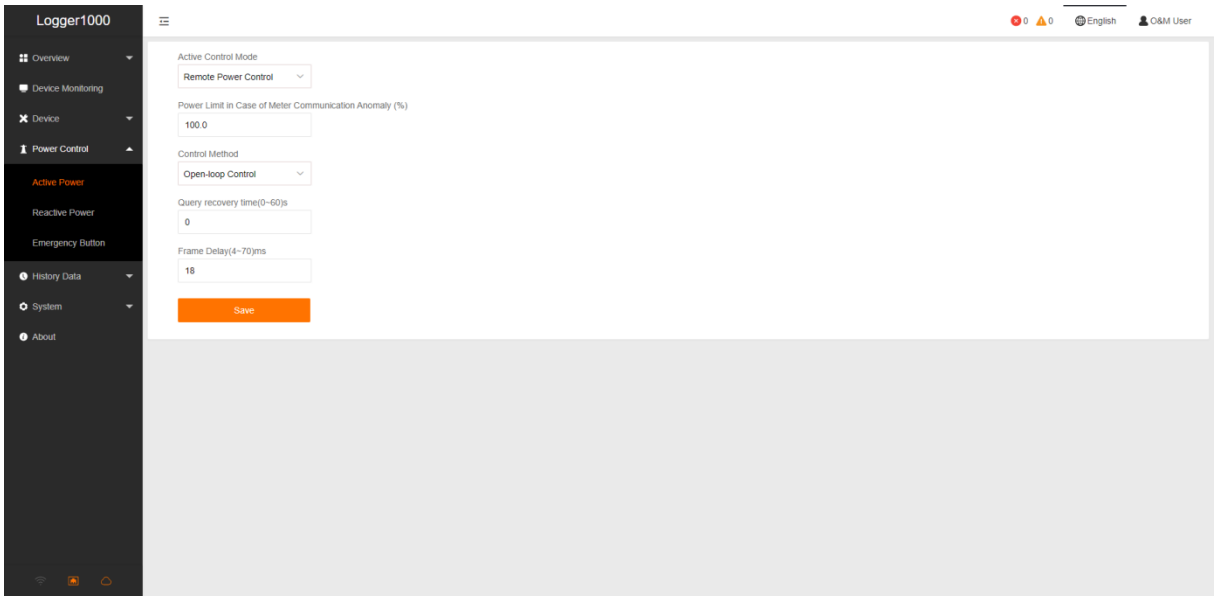
Open the Power Control-settings and click Active Power to enter the active power settings.



1. Disable Derating: Select this mode when the inverter needs to run at full load.



2. Remote Power Control: When Logger1000 is connected to the monitoring background or to a Logger1000-Master, the instruction source is IEC104 or MODBUSTCP protocol. Please select Remote Power Control for active control mode. The relevant parameter settings are shown in the following figure.



3. Local Power Control: If the active power dispatch command or dispatch target value is set locally as the dispatch input, select Local Power Control as the active control mode. The relevant parameters are described as follows:

   Power Limit in Case of Meter Communication Anomaly (%): When the communication between Logger 1000 and the electric meter is abnormal, Logger 1000 will issue the power limit instruction to the inverter according to the set percentage, and this parameter will only be enabled in the closed-loop control mode. Please be aware that the meter must be compatible and supported by Logger1000. You can find compatible meters in the drop-down list when adding a meter in the Logger1000 settings, when Logger1000 is updated to the latest firmware.

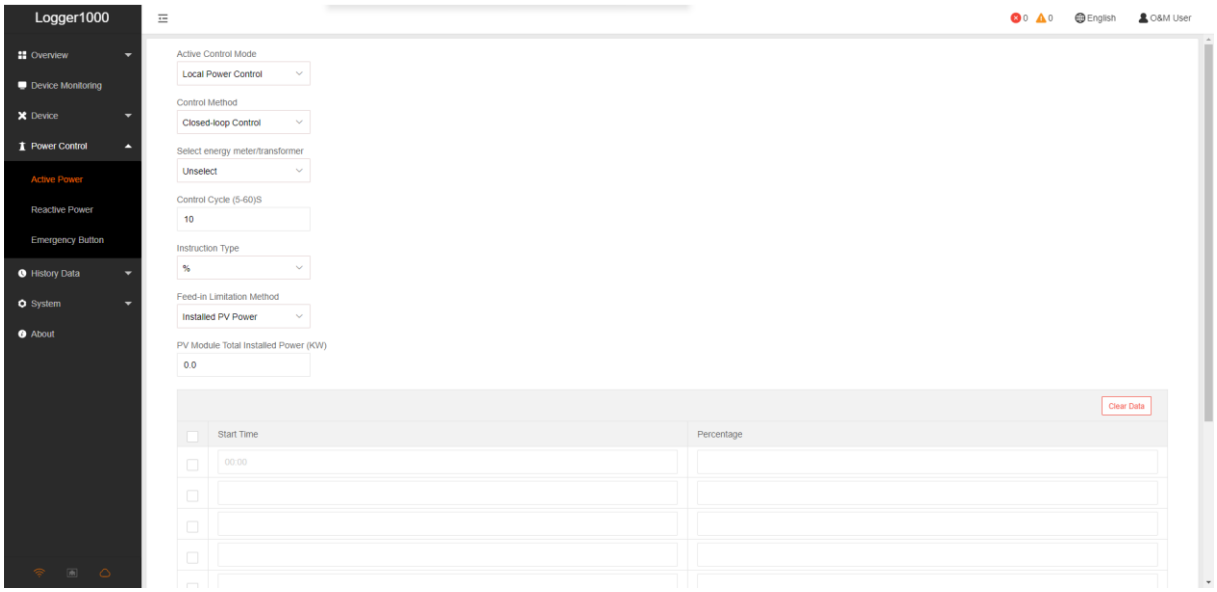
   Control Method: The default method is open-loop control. The electric meter needs to be connected when selecting closed-loop control.

   Control Cycle: Default value is 10s, please do not modify it.

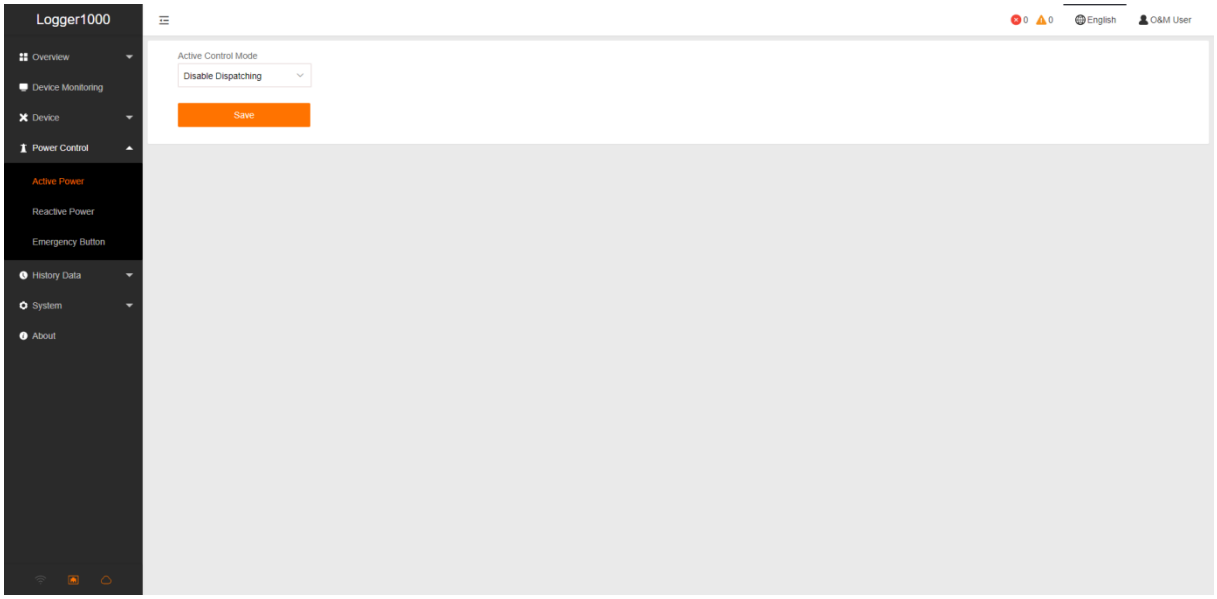
   Instruction Type: Default setting is percentage (%), you may choose active power (kW).

   Feed-in Limitation Method: (Only appears, when choosing closed loop control mode)
   Nominal Power - Limitation based on all connected inverters nominal power.
   Installed PV Power – Limitation based on Total Installed PV-power.

   PV Module Total Installed Power (KW): (Only appears, when choosing Installed PV Power as Feed-in limitation Method)
   Fill in your total installed PV-power of all inverters.



4. Disable Dispatching: If you wish, Logger1000 not to carry out active power dispatching, select Disable Dispatching as the active control mode.



For further information, please download the user manual here.

This manual is intended for professional technicians who are responsible for installation, operation, maintenance and troubleshooting of inverters, and users who need to check inverter parameters. The inverter must only be installed by professional technicians.
The professional technician is required to meet the following requirements:

- Know electronic, electrical wiring and mechanical expertise, and be familiar with electrical and mechanical schematics.
- Have received professional training related to the installation, commissioning and troubleshooting of electrical equipment.
- Be able to quickly respond to hazards or emergencies that occur during installation, commissioning and troubleshooting.
- Be familiar with local standards and relevant safety regulations of electrical systems.
- Read this manual thoroughly and understand the safety instructions related to operations.