FusionSolar App Quick Guide

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FusionSolar App Quick Settings Operation Procedure



FAQ

Physical Layout Design of PV Modules Using Device Commissioning (optional, for scenarios with optimizers)

Physical layout design of PV modules on the FusionSolar WebUI (optional, for scenarios with optimizers)

Setting Export Limitation Parameters

Setting Voltage Rise Suppression Q-U Curve

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- The app screen snapshots provided in this document correspond to FusionSolar 2.5.8. The figures are for reference only.
- The initial password for connecting the inverter WLAN is **Changeme**.
- The in to the system. Use the initial password upoinitial password for connecting the Smart USB-WLAN Adapter is **Changeme**.
- The initial password of the installer is 00000a. If the system prompts you to set a password, set the password and log n first power-on and change it immediately after login. To ensure account security, change the password periodically and keep the new password in mind. Not changing the initial password may cause password disclosure. A password left unchanged for a long period of time may be stolen or cracked. If a password is lost, devices cannot be accessed. In these cases, the user is liable for any loss caused to the PV plant.

This document applies to the following scenarios:

- Inverter with built-in WLAN for local commissioning
- Inverter with a Smart USB-WLAN Adapter for local commissioning
- In RS485 cascading networking, the master inverter can be: SUN2000-(3KTL-20KTL)-M0, SUN2000-70KTL/75KTL-C1 (optional), SUN2000-50KTL/63KTL-JPM0, SUN2000-50KTL-JPM1, SUN2000-50KTL/60KTL/65KTL/100KTL/110KTL/125KTL-M0, SUN2000-70KTL/100KTL-INM0, SUN2000-100KTL-M1, SUN2000-175KTL-H0, SUN2000-185KTL-INH0, and SUN2000-185KTL-H1,SUN2000-(2KTL-5KTL)-L1.

1. Downloading and Installing the FusionSolar App

Method 1: Search for FusionSolar in Google Play to download and install the app.

Method 2: Scan the QR code to download and install the app.



Google Play (Android)



(Android)

The latest Android version is required for local commissioning. The iOS version is not updated and can be used only for viewing PV plant information. You can search for **FusionSolar** in App Store or scan the QR code to download the iOS version.



• Creating the first installer account will generate a domain named after the company. The default login address is intl.fusionsolar.huawei.com.



• To create multiple installer accounts for the same company, log in to the FusionSolar app and tap New User.



3. Log in and Start Setup Wizard

• Local Commissioning Using the Built-in WLAN of the Inverter





• Local Commissioning Using a Smart USB-WLAN Adapter









LED		Remarks	Description
Color	Status]	
N/A	Off	Normal	The Dongle is not secured or is not powered on.
Yellow (blinking green and red simultaneously)	Steady on		The Dongle is secured and powered on.
Green	Blinking in a 2-second cycle (on for 0.1s and then off for 1.9s)	Normal	Dialing (duration < 1 min)
		Abnormal	If the duration is longer than 1 min, the 4G parameter settings are incorrect. Reset the parameters.
	Blinking at long intervals (on for 1s and then off for 1s)	Normal	The dial-up connection is set up successfully (duration < 30s).
		Abnormal	If the duration is longer than 30s, the settings of the management system parameters are incorrect. Reset the
			parameters.
	Steady on	Normal	Successfully connected to the management system.
	Blinking at short intervals (on for 0.2s and then off for 0.2s)		The inverter is communicating with the management system through the Dongle.
Red	Steady on	Abnormal	The Dongle is faulty. Replace Dongle.
	Blinking at short intervals (on for 0.2s and then off for 0.2s)		The Dongle has no SIM card or the SIM card is in poor contact. Check whether the SIM card has been installed or is in good contact. If not, install the SIM card or remove and insert the SIM card.
	Blinking at long intervals (on for 1s and then off for 1s)		The Dongle fails to connect to the management system because it has no signals, weak signal, or no traffic. If the Dongle is reliably connected, check the SIM card signal through the APP. If no signal is received or the signal strength is weak, contact the carrier. Check whether the tariff and traffic of the SIM card are normal. If not, recharge the SIM card or buy traffic.
Blinking red and green alternatively	Blinking at long intervals (red for 1s and green for 1s)		 No communication with the inverter Remove and insert the Dongle. Check whether inverters match the Dongle. Connect the Dongle to other inverters. Check whether the Dongle or the USB port of the inverter is faulty.
	Blinking at short intervals (red for 0.2s and green for 0.2s)	Normal	The Dongle is being upgraded locally.



Scenario 2: mobile phone connected to the Internet



FAQ 1. Physical Layout Design of PV Modules Using Device Commissioning (Optional, for Scenarios with Optimizers)



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Step 6. Detect optimizer disconnection.

On the **Maintenance** screen, choose **Optimizer disconnection detection**, tap the detection button to detect the optimizer disconnection, and rectify the fault based on the detection result.



FAQ 2. Physical Layout Design of PV Modules on the FusionSolar WebUI (Optional, for Scenarios with Optimizers)



FAQ 2. Physical Layout Design of PV Modules on the FusionSolar WebUI (Optional, for Scenarios with Optimizers)

5. Manual setting: Drag the PV modules to be created to the physical layout area, select a device in the device list area, and drag the device to the corresponding icon position to bind the device to the icon. You can right-click the device to unbind it. After the settings are complete, click in the toolbar to save the settings.



FAQ 4. Setting Voltage Rise Suppression Q-U Curve

On the SUN2000 screen, Choose Power adjustment > Grid-tied point control > Active power to set export limitation parameters.

For a single inverter, set **Closed-loop controller** to **Inverter** or **SDongle/SmartLogger**.

- When Closed-loop controller is set to Inverter, the duration of export limitation is less than 2s.
- When Closed-loop controller is set to SDongle/SmartLogger, the duration of export limitation is less than 5s.

For multiple inverters, **Closed-loop controller** can only be set to **SDongle/SmartLogger**. The duration of export limitation is less than 5s.





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NOTE

After tapping Grid-tied point control, you need to enter the login password again. The initial password is 00000a.

For details about the parameters, see the FusionSolar App and SUN2000 App User Manual. You can scan the QR code to obtain it.



On the SUN2000 screen, Choose Settings > Feature parameters to set voltage rise suppression Q-U curve.