

MINA TL-HU
Commissioning Guide

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Change history

Version 01

Updated the product model and company address.

Version 00

First release

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1 Commissioning

1.1 Check datalogger connection status

Upon initial installation, the indicator on the ShineWiLan-X2 will be steady blue, indicating that Bluetooth has been enabled.

LED status	Operating status
Off	The datalogger failed to communicate with the inverter (1) Check if the datalogger has been properly connected to the USB port on the inverter; (2) Unplug and replug the datalogger; (3) Connect the datalogger to another inverter to check whether the datalogger or the inverter is faulty.
Steady white	The datalogger is initializing. Please wait for about one minute.
Steady blue	The datalogger is in Bluetooth mode. Please continue with the network configuration process. If you do not need to configure the network, you can exit this mode by pressing the button once.

1.2 Download the Shinetools APP

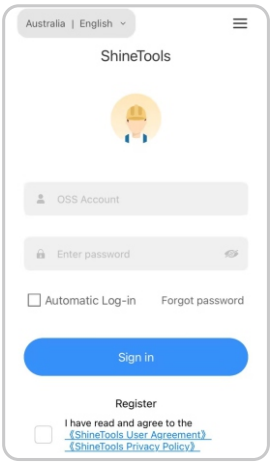
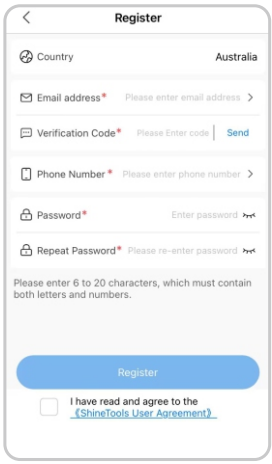
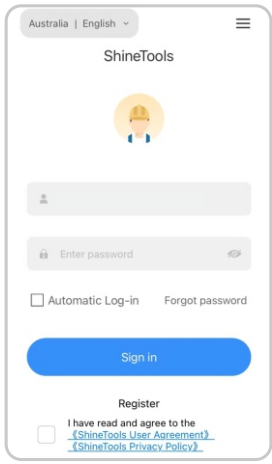
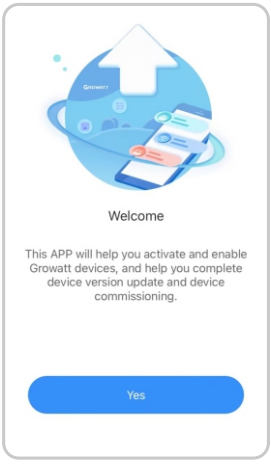
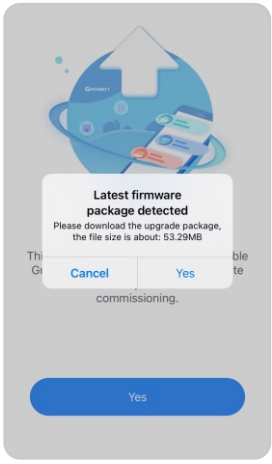
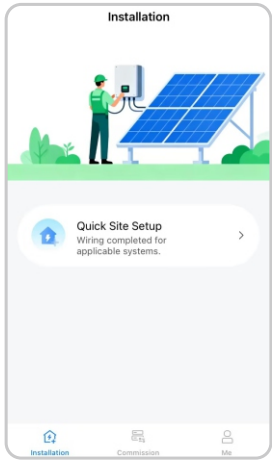
You can search for Shinetools in the Apple Store or Google Play to download and install the APP.
Make sure you download the latest version.



Shinetools

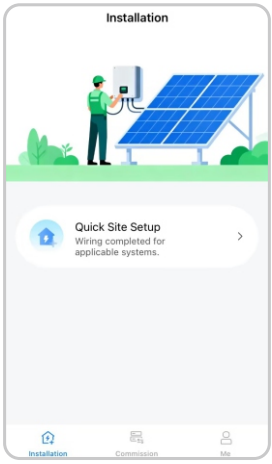
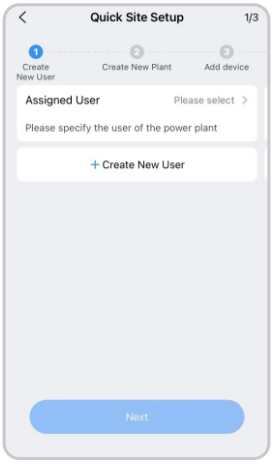
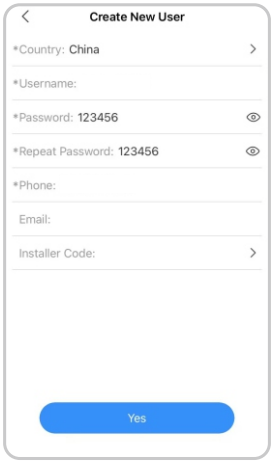
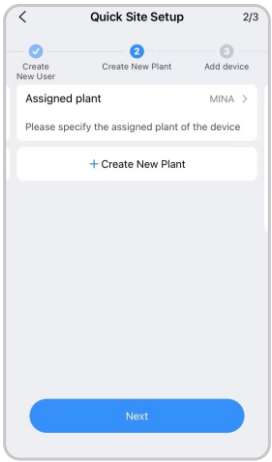
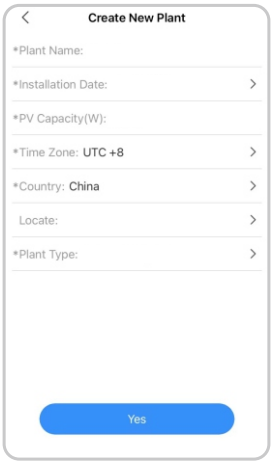
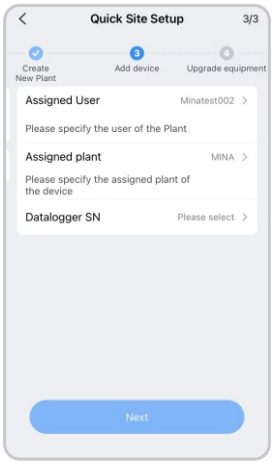
1.3 Commissioning on the Shinetools APP

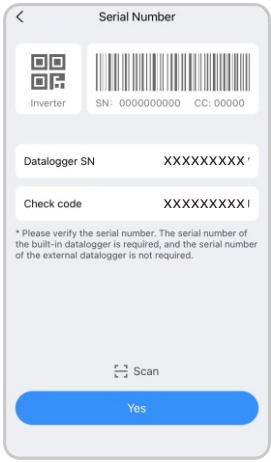
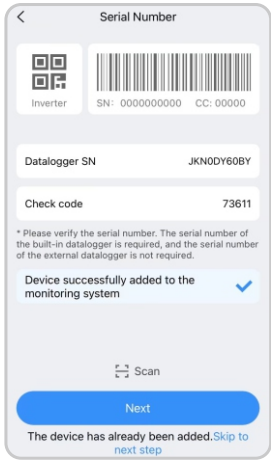
1.3.1 Log in to Shinetools APP

<table>
<tr><td>1. Choose the country; If you already have an account, please log in directly, if not, click Register to register an account.</td><td>2. Complete the information, then click Register.</td><td>3. Login account.</td></tr>
<tr><td>
</td><td>
</td><td>
</td></tr>
<tr><td>4. Click Yes.</td><td>5. If you need to download the software package, click Yes. Otherwise, click Cancel.</td><td>6. Enter the home page.</td></tr>
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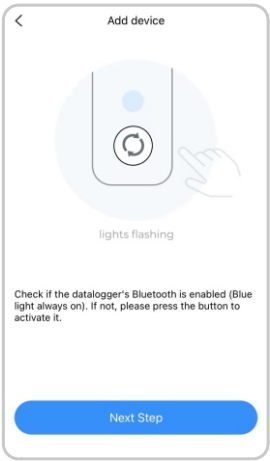
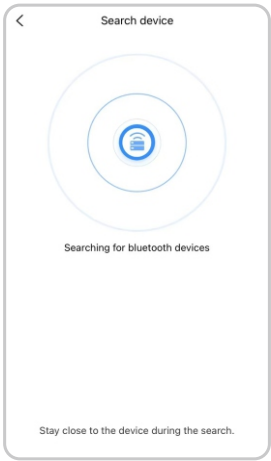
1.3.2 Quick Site Setup

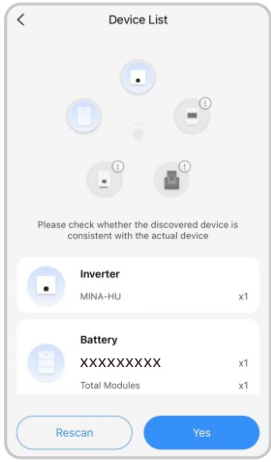
1.3.2.1 Add user/plant/device

1. Select the installation on the home page, then click Quick Site Setup.	2. Click Create New User (End User).	3. Complete the information, then click Yes. User can use the user name and password to log in the Shinephone APP.
		
4. Click Create New Plant.	5. Complete the information, then click Yes.	6. Click Datalogger SN.
		

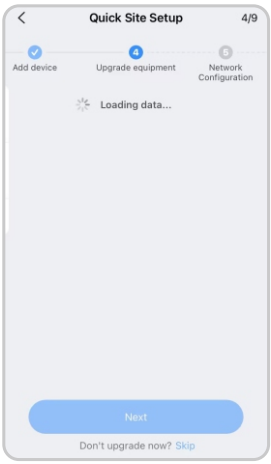
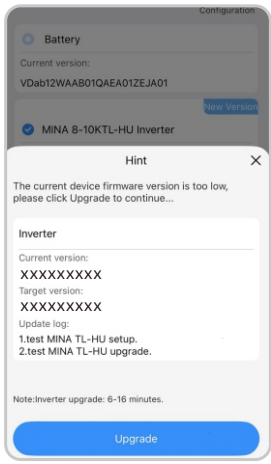
7. Scan the QR code of the datalogger.	8. Click Yes.	9. Device has been added successfully.
		

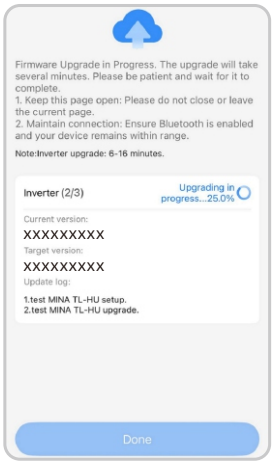
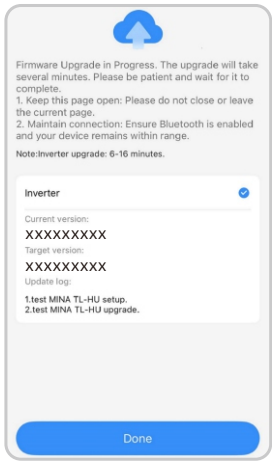
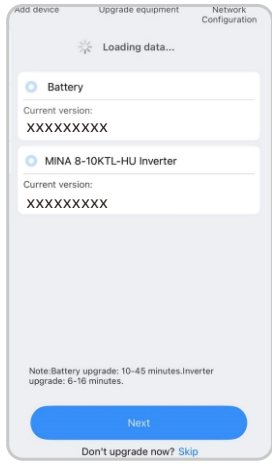
1.3.2.2 Connecting bluetooth

1. Press the key of datalogger, check blue light is always on, turn on your phone's bluetooth, then click Next Step.	2. Search device.	3. Connecting devices.
		

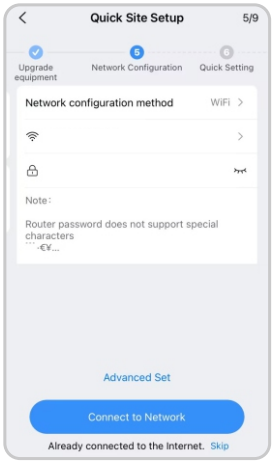
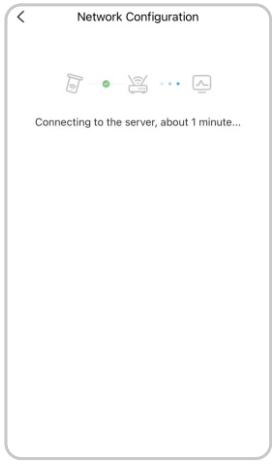
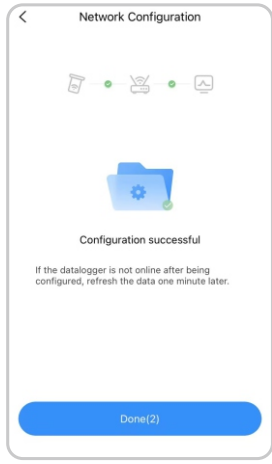
4. Bluetooth connection is successful.	5. Device detecting.	6. Devices detected, then click Yes. If the device information is incorrect, rescan after troubleshooting.
		

1.3.2.3 Upgrade equipment

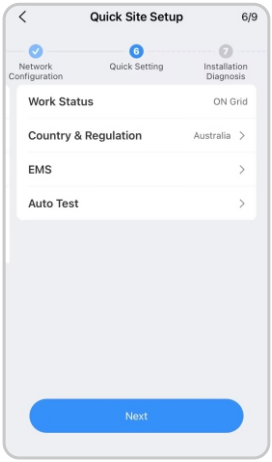
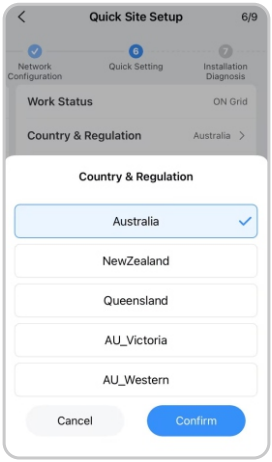
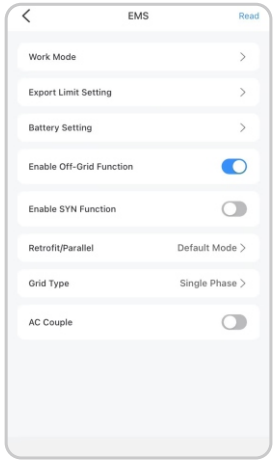
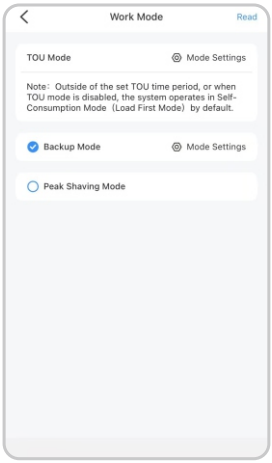
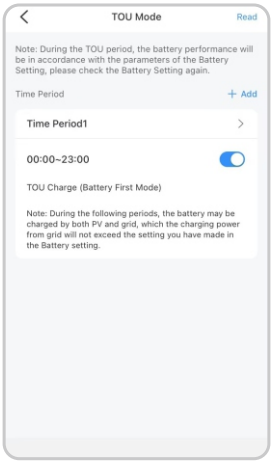
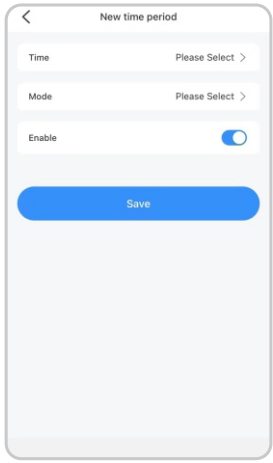
1. Click Next on upgrade equipment page.	2. Choose device if you want to upgrade, otherwise click Skip.	3. Click Upgrade after reconfirmation.
		

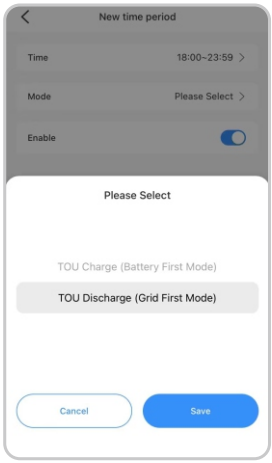
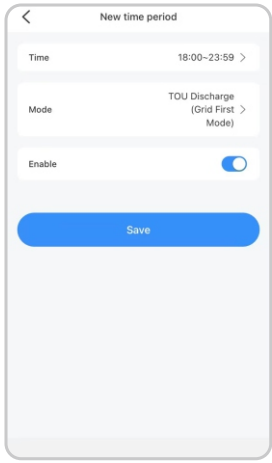
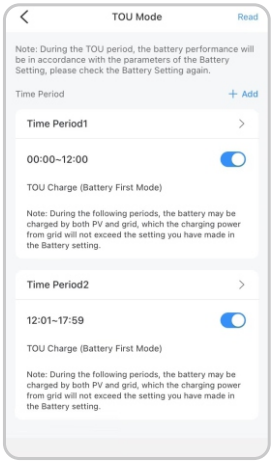
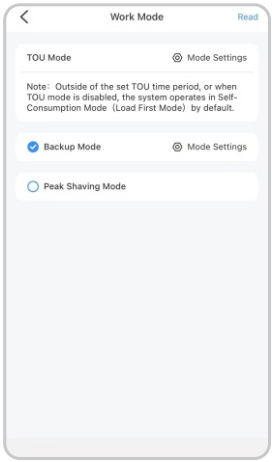
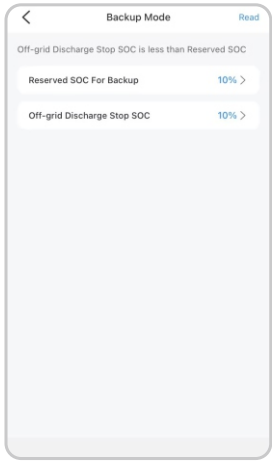
4. Upgrading.	5. Upgrade completed, then click done.	6. Check the current version is correct, then click next.
		

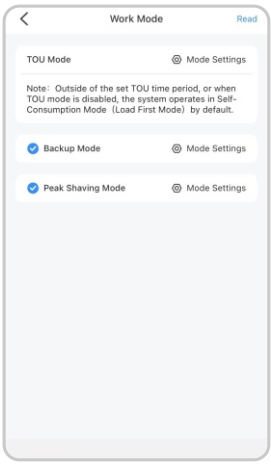
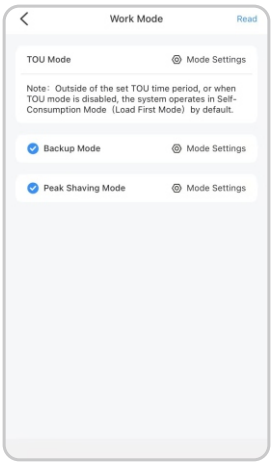
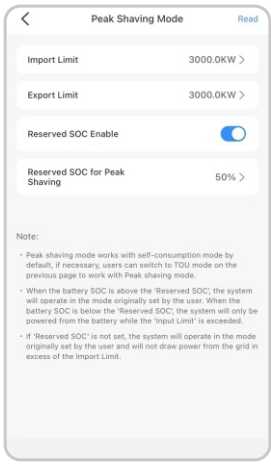
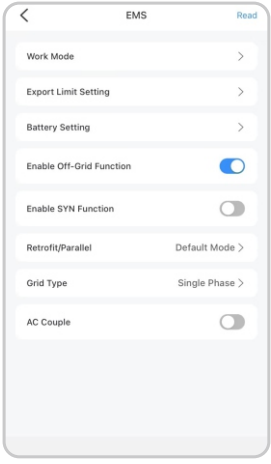
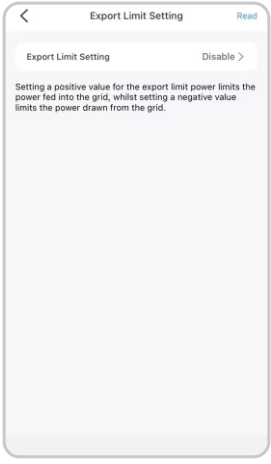
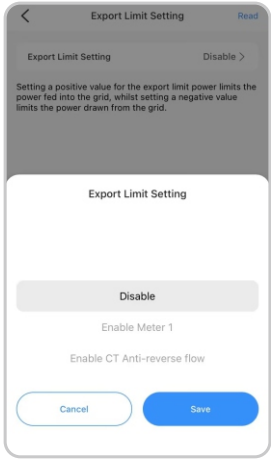
1.3.2.4 Network configuration

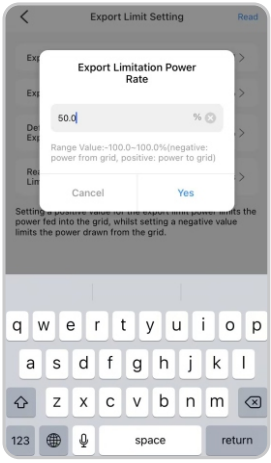
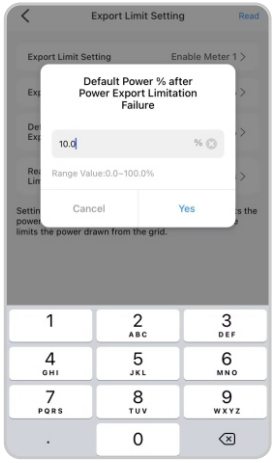
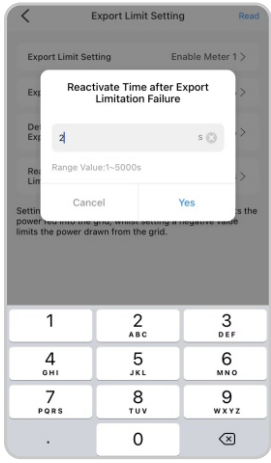
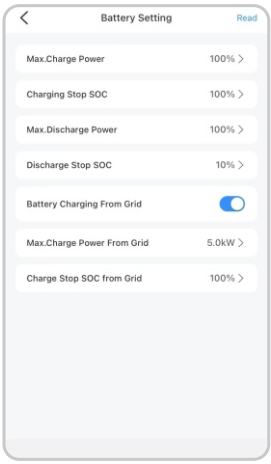
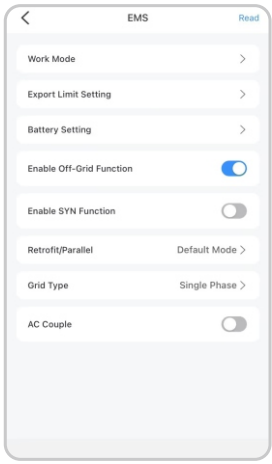
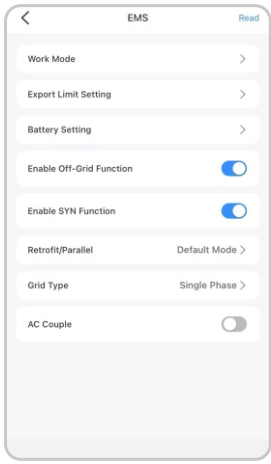
1. Choose the WIFI account and enter password, then click Connect to Network.	2. Connecting to the server.	3. Configuration successful.
		

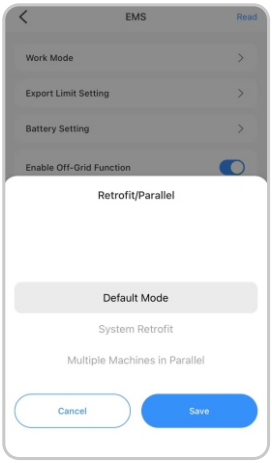
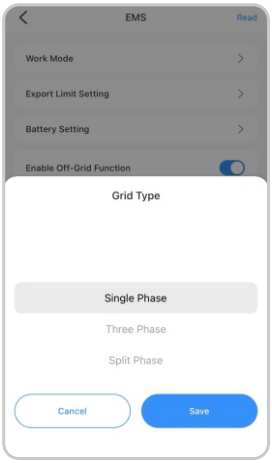
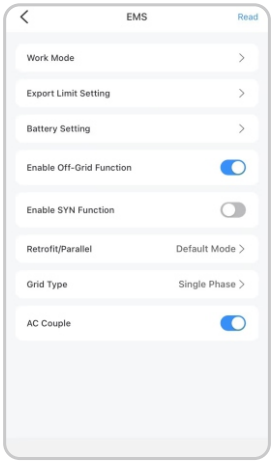
1.3.2.5 Quick Setting

1. Quick setting step.	2. Countries and regions choose according to the installation location, then click Confirm.	3. Click EMS, then set Work Mode and Battery Setting (Also can be set on EMS of home page).
		
4. Click Work Mode, on Work Mode page, you can set TOU Mode and Backup Mode and Peak Shaving.	5. Set TOU MODE according to your own needs. Time period and EMS mode can be set. Click Add.	6. Enter Time period setting page.
		

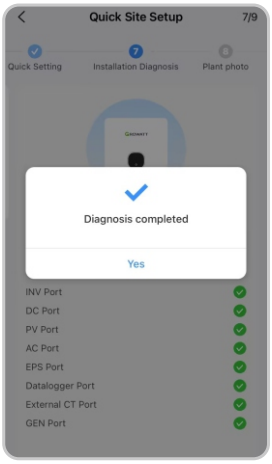
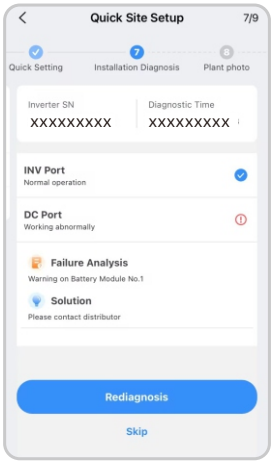
7. Setting time.	8. Setting TOU Mode.	9. Click enable, then click save.
		
10. Return TOU Mode page.	11. Set Backup Mode on Work Mode page according to your own needs.	12. Set Backup Mode parameters.
		

13. Enable Peak Shaving Mode.	14. Click Mode Settings.	15. Setting parameters according your needs.
		
16. Click Quick Setting of home page, then click Export Limitation Setting.	17. Enable Export Limitation.	18. Select meter or CT which is installed on the grid side, then click confirm.
		

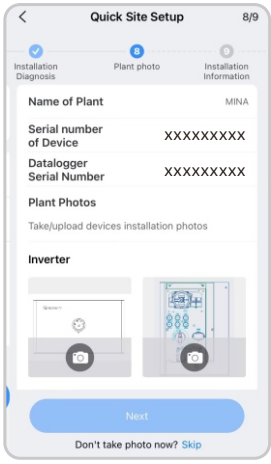
19. Set Export Limitation power ratio.	20. Set Default Power percentage after power export limitation failure.	21. Set export limitation failure time.
		
22. Set Battery Setting parameters.	23. Enable off-grid Enable function.	24. Click the Work Mode.
		

25. Select mode according to the scenario.	26. Select Grid Type according to the scenario.	27. Enable the AC Couple according to the scenario.
		

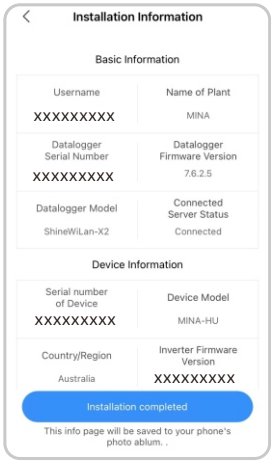
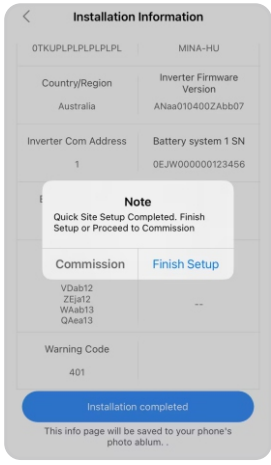
1.3.2.6 Installation Diagnosis

1. Installation Diagnosis step, click Start Diagnosis.	2. Diagnosis completed. Click Yes.	3. Diagnostic abnormalities will prompt diagnostic issues. After the problem is resolved, click Rediagnosis.
		

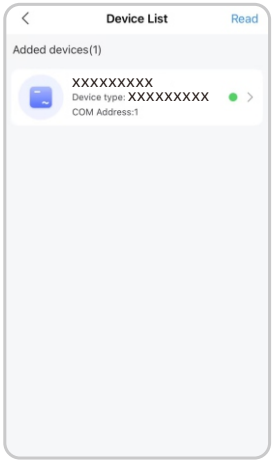
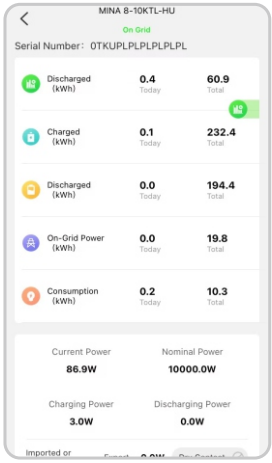
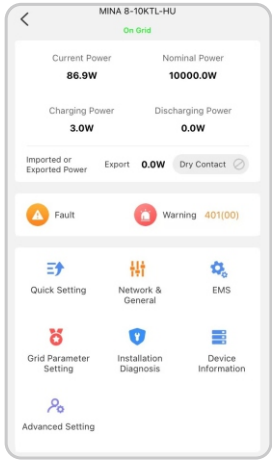
1.3.2.7 Plant photo

1. Plant photo step. Take photos of devices, then click Next.	2. Enter installation information step.
	

1.3.2.8 Installation information

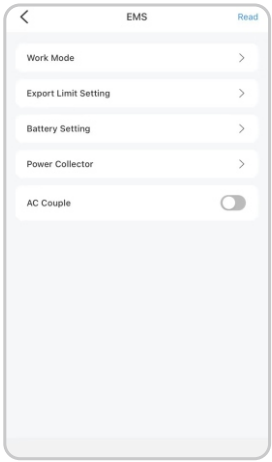
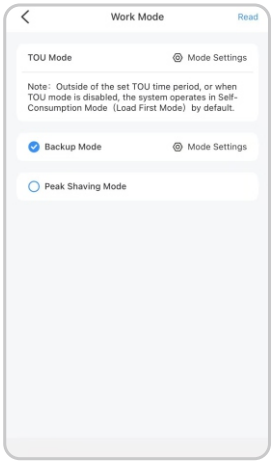
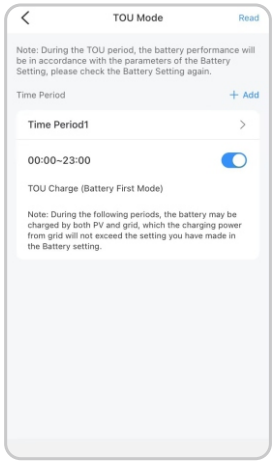
1. Installation information step. You can view device information, then click Installation completed.	2. Quick Site Setup done, then click Commission.
	

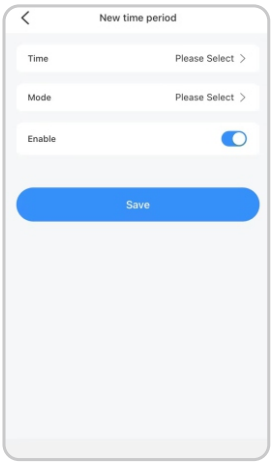
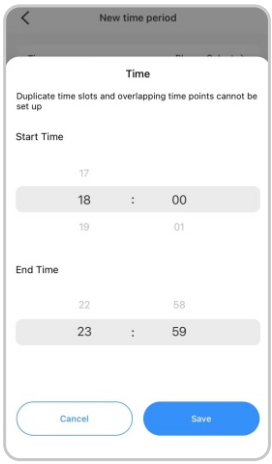
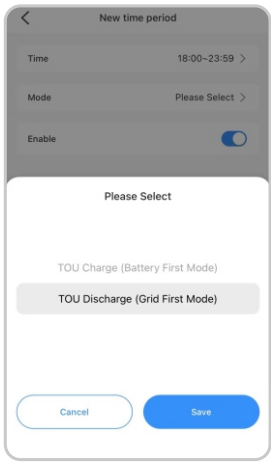
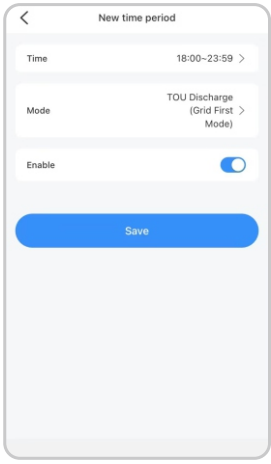
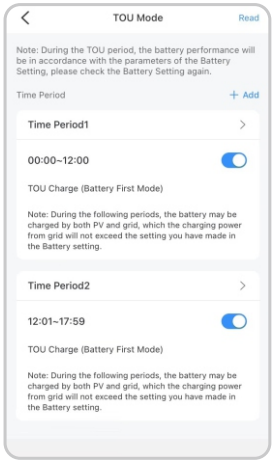
1.3.3 Common function setting

1. Device information can be seen on the APP's home page.	2. Device information can be seen on the APP's home page.	3. You can view and set in each module in the figure below.
		

1.3.3.1 TOU

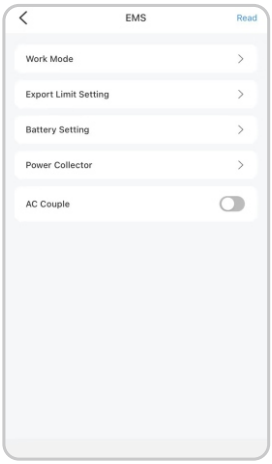
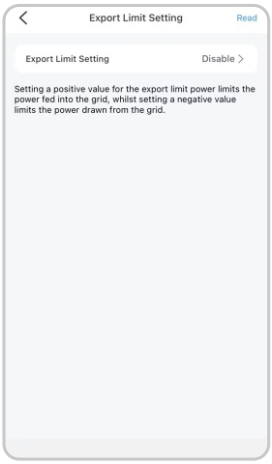
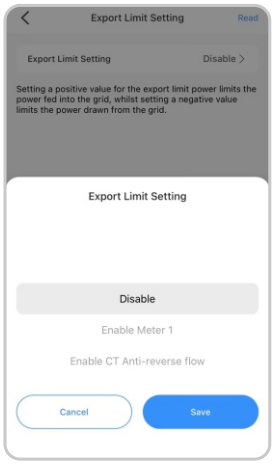
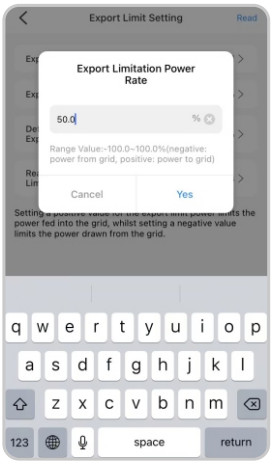
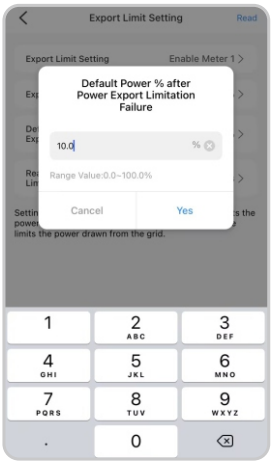
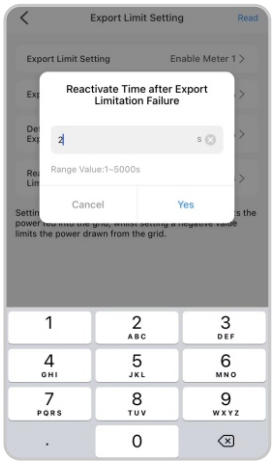
If TOU have been set in the Quick setting step, this function doesn't need to be set again.

1. Click EMS of home page, then Click Work Mode.	2. Click TOU Mode.	3. Set TOU MODE according to your own needs. Time period and EMS mode can be set. Click Add.
		

4. Enter Time period setting page.	5. Setting time.	6. Setting TOU Mode.
		
7. Click enable, then click save.	8. Return TOU Mode page.	
		

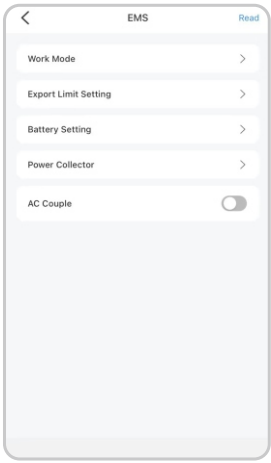
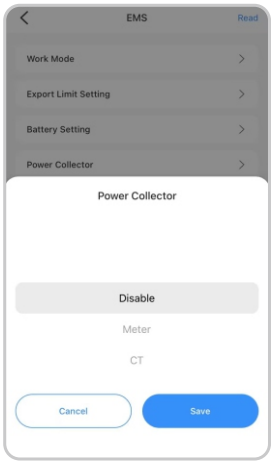
1.3.3.2 Export limitation

If Export limitation have been set in the Quick setting step, this function does not need to be set again.

1. Click EMS of home page, then click Export Limitation Setting.	2. Enable Export Limitation.	3. Select meter or CT which is installed on the grid side, then click confirm.
		
4. Set Export Limitation power ratio.	5. Set Default Power percentage after power export limitation failure.	6. Set export limitation failure time.
		

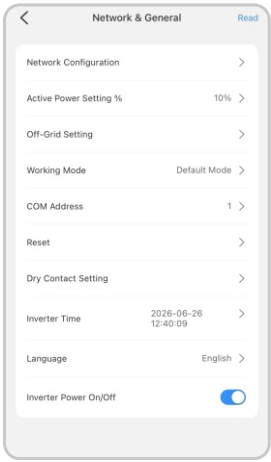
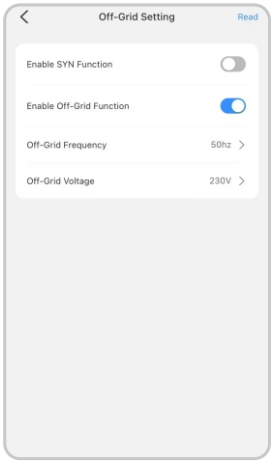
1.3.3.3 Meter

If Meter have been set in the Quick setting step, this function does not need to be set again.

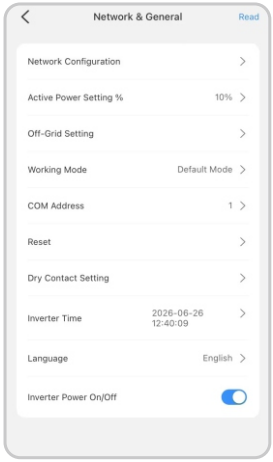
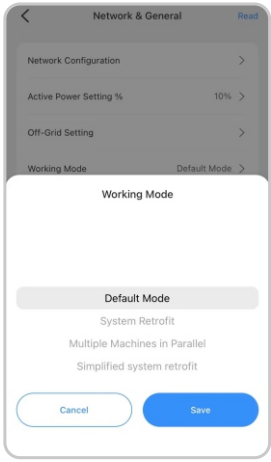
1. Click EMS of home page, then click Power Collector.	2. Select meter or CT which is installed on the grid side.
	

1.3.3.4 Off-Grid

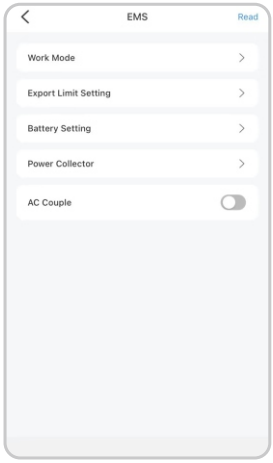
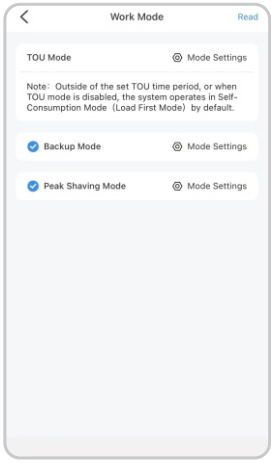
Off-Grid function have been enabled at the factory, this function does not need to be set again.

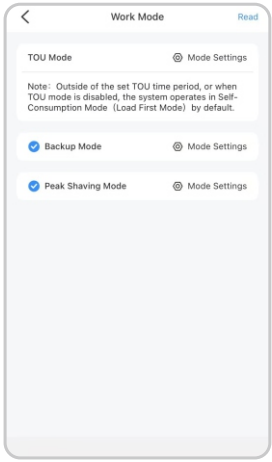
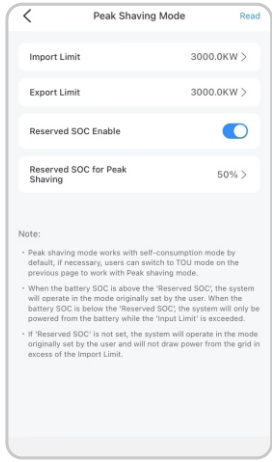
1. Click Network & General of home page, then click off-grid Setting.	2. Enable off-grid Enable function.
	

1.3.3.5 Operating mode

1. Click Network & General of home page, then click operating status.	2. Select mode according to the scenario.
	

1.3.3.6 Peaking shaving mode

1. Click EMS of home page, then click Work Mode, then click Work Mode.	2. Enable Peak Shaving Mode.
	

3. Click Mode Settings.	4. Setting parameters according your needs.
	

2 Service and contact

If you have technical questions about our products, please contact the Growatt New Energy Service Hotline. We need the following information to provide you with the necessary help:

- Inverter type
- Inverter serial number
- Inverter error message code
- Inverter LED display content
- Type and number of PV modules connected to the inverter
- Inverter communication method
- BAT type
- BAT serial number
- BAT error message code
- BAT LED display content

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