

Chapter 1: Appearance and Structure

1.1 Product Appearance



1.1.1 Appearance of Transfer Adapter



1

Completion of Assembly:



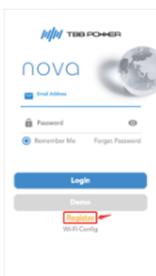
4

② Kinergy II Wi-Fi version requires network configuration.

③ Create a site via the App or web page.

2.3.1 App Registration

Step 1: Click [Register] on the login interface.



Step 2:

(1) Fill in the registration information.



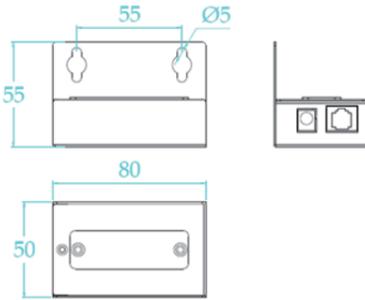
7

1.2 Product Dimension

1.2.1 Dimensions of WiFi/BLE Version

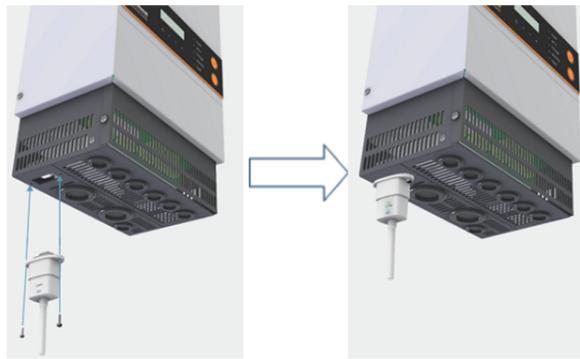


1.2.2 Dimensions of Transfer Adapter



2

Installation diagram:



5

2) Click the [Get] button and enter the verification code you have received.



Note: NOVA OnlinePortal will send a verification code to the email address you provided; please make sure the email address is valid.

Step 3: Click the [Register] button, and then the interface will automatically return to the login interface, indicating successful registration



8

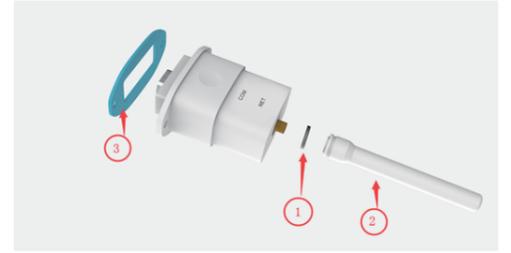
Chapter 2: Product Usage

2.1 Assembly of Product

2.1.1 Assembly of WiFi/BLE Version

When you receive the Kinergy II WiFi/BLE, please follow these steps for assembly:
Step 1: Insert the black protective ring.
Step 2: Install the antenna.
Step 3: Put on the blue rubber cover.

Assembly process diagram:

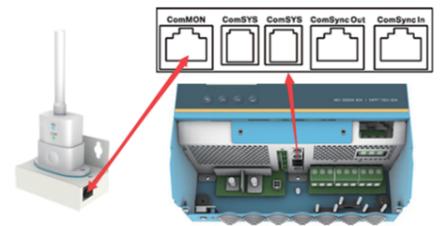


2.1.2 Assembly of Transfer Adapter

When you receive the Transfer adapter and Wi-Fi/GPRS/BLE module, please follow these steps for installation:
Step 1: Unscrew the cover plate screws and remove the cover plate.
Step 2: Insert the blue gasket.
Step 3: Align the interface and plug in the Wi-Fi/GPRS/BLE module into the Transfer adapter.
Step 4: Tighten screws.

3

Installation diagram:



2.3 Configuring Network Connections

Preparations before Network Connection

The latest version of the App can be downloaded from various App stores. Android users can visit Google Play, while iOS users can visit the App Store.



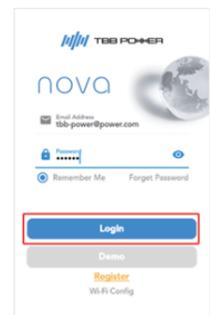
To connect Kinergy II to the NOVA Online Portal, please follow these three steps:

① Connect Kinergy II to an inverter.

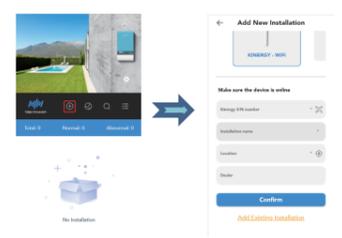
6

2.3.2 Adding a Device

Step 1: Enter the account and password, then click the [Login] button.

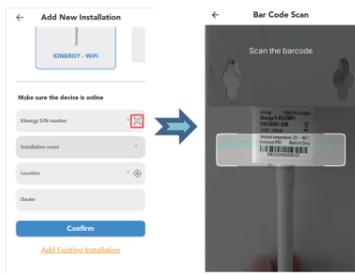


Step 2: After logging in, click the add icon "+" to go to the page of adding the new site.

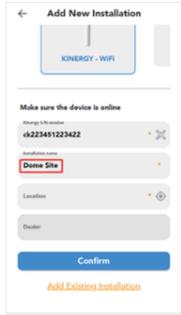


9

Step 3: Click the scan button to scan the device's serial number, or you can manually fill it in. After scanning, please make sure the result matches the actual serial number.



Step 4: Enter the site name.



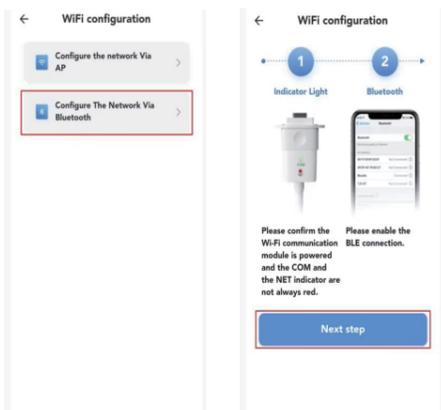
10

Step 2: Click the [Configure The Network Via Bluetooth] button.

Step 3: Click the [Next step] button.

Step 4: If the Bluetooth on the phone is not turned on, please click the [To BLE Setting] button to enable Bluetooth.

Step 5: Click on the Bluetooth name of WCM_XXXXXXXXXXXX to pair the device. The combination of 14 alphanumeric characters following "WCM_" is the serial number of the Kinery.



Step 2

Step 3

13

Chapter 3: Common Troubleshooting

3.1 Indicator Status Explanations

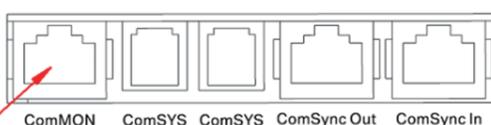
Explanations for WiFi/BLE Version Indicator Status

No.	Indicator	Status	Explanations
1	COM	Flashing red	The module lost communication with the connected devices.
		Flashing green	The module is attempting to establish communication with the connected devices.
		Off	The module has successfully communicated with the connected devices.
2	NET	Flashing red	The module is not connected to a network yet.
		Red light solid on	The module is attempting to connect to the server.
		Flashing green	The module is attempting to establish communication with NOVAOnlinePortal.
		Green light solid on	The module has successfully communicated with NOVAOnlinePortal.
3	COMNET	Both flashing red and green	The module is performing hardware self-check upon power-up.
		Both red lights solid on	The module is identifying the connected device upon power-up.

3.2 The module functions abnormally.

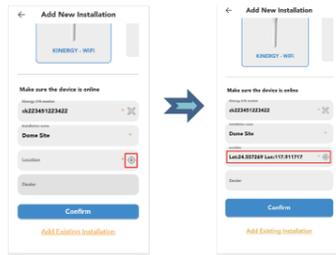
Please confirm with the TBB after-sales team which model the module is connected to, and the models corresponding interface definition. Please note that Transfer adapter normally connects to the ComMON port only.

In general, device interfaces are defined as the following:



16

Step 5: Click the location icon to obtain the current coordinates.



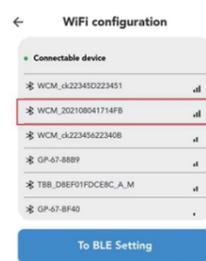
Step 6: Fill in the dealer information.



11



Step 4



Step 5

Step 6: After the Bluetooth connection is successfully made, click the WLAN selection button to choose the wireless network you want to connect to and enter the password. Please note that the iOS version only supports manual input of the wireless network name and password.

Step 7: Click the [CONFIG] button.



Step 6

Step 7

14

3.3 Why my App failed to add a device?

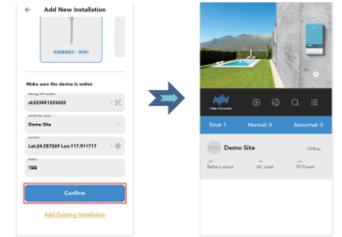
Please make sure you have entered the correct serial number. The serial number consists of 14 digits.

Illustration for adding the S/N code:



17

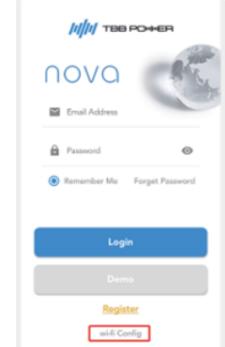
Step 7: Click the [Confirm] button and the device will be added.



2.3.3 Wi-Fi Configuration

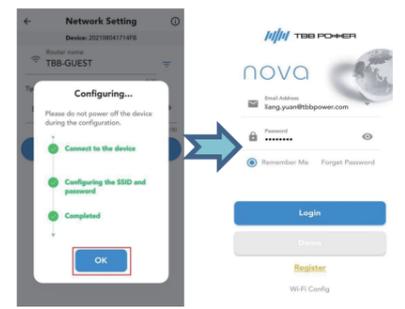
2.3.3.1 Network configuration of Bluetooth

Step 1: Click [Wi-Fi Config] on the login page.



12

Step 8: Click the [OK] button. Then the interface will automatically return to the login page, indicating successful configuration.



2.3.3.2 Network configuration of WPS

If your wireless router supports WPS (Wi-Fi Protected Setup) function, you can use the function to achieve quick network connection without entering a password. The operation steps are as follows:

Step 1: Trigger the WPS network configuration of the wireless router. The routers that support WPS function have a button with the word "WPS".

Step 2: Press and hold the "Key" button on the Kinery II (2s<t<5s). During this time, the Com and Net indicators on Kinery II will flash green alternately. Wait until the green light is solid on, which means that the connection between Kinery II and the router is successful.

15

Chapter 4: Technical Parameters

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Category	Item	Parameters
General Parameters	Dimensions	64*32.32*144.55mm(BLE/Wi-Fi) 64*32.32*144.55mm (BLE/Wi-Fi version)
	Weight	76g
	Protection Category	IP65
	Voltage Range	DC10V-16V
	Rated Voltage	DC12V
	Peak Current	500mA
	Operating Temperature	-20~+60
	Storage Temperature	-40~+85
	Interface Type	DB9 (for communication and power supply)
	Operation Indicator	COM indicates the communication status with the device NET indicates the module's network connection status
	Serial Port Baud Rate	9600bps
	Data Acquisition Interval	10s
	Software Watchdog	Yes
	Antenna	External Antenna
	Wireless Standards	IEEE802.11b/g/n
	Frequency	2.4GHz
Data Transfer Rate	11b: 1, 2, 5.5 and 11 Mbps 11g: 6, 9, 12, 18, 24, 36, 48, 54 Mbps 11n: MCS0-7, 72.2 Mbps (Max)	
Bluetooth Protocol	Bluetooth 5	
Frequency Range	2412~2484MHz	
Transmit Power Range	-21~+5dBm	
Others	Communication Distance	30m (Spacious environment)
	Warranty	2 years
	Certification	CE

18