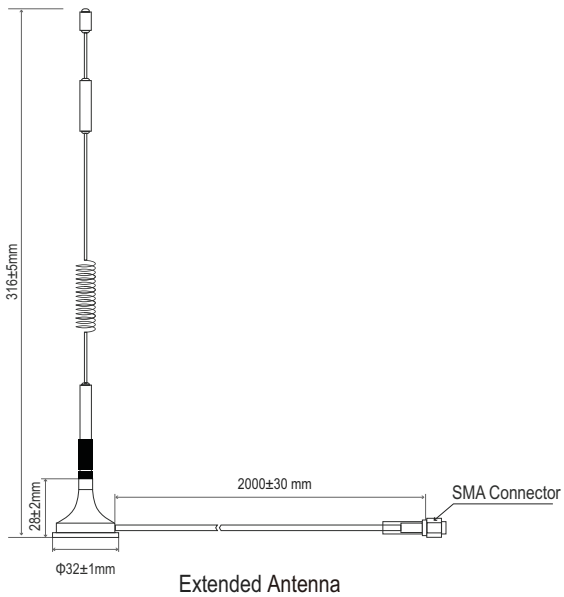
Anti-countercurrent Meter

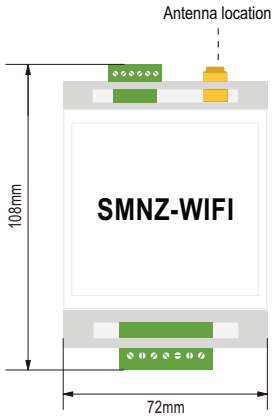
PV-SMNZ series

Specification	PV-SMNZ
INPUT	
Single Phase	200~240Vac, 50/60Hz
Split Phase	120/240Vac, 50/60Hz
Three Phase	208Y/120Vac, 480Y/277Vac, 400Y/230, 240Vac Split
COMMUNICATION	
Type	2.4GHz WiFi
Wifi Frequency Band	2.412GHz-2.472GHz
Wifi Transmitting Power	802.11b:+17dBm+1.5dBm(@11Mbps); 802.11g:+15dBm+1.5dBm(@54Mbps); 802.11n:+14dBm1.5dBm(@HT20, MCS7)
Number of Channel	802.11b, 802.11g, 802.11n(HT20):13
Modulation Type	DSSS, OFDM
OTHER	
Current Transformer Range	0-80A
Current Transformer	Current Transformer type: Open type; Current Transformer cable: 100cm
Temperature	-20-65˚C
APP	Green Energy platform
Installation	DIN rail mount
Size	72*108*45mm
Warranty	3-year

■ Mechanism Dimension



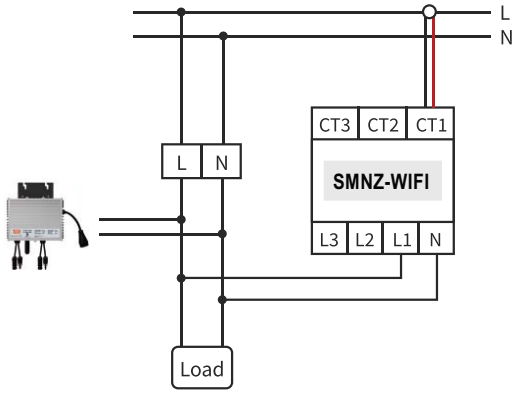
Extended Antenna



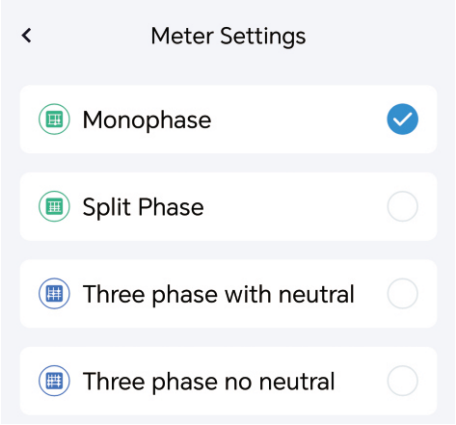
Attached Antenna

■ Wiring Diagaram

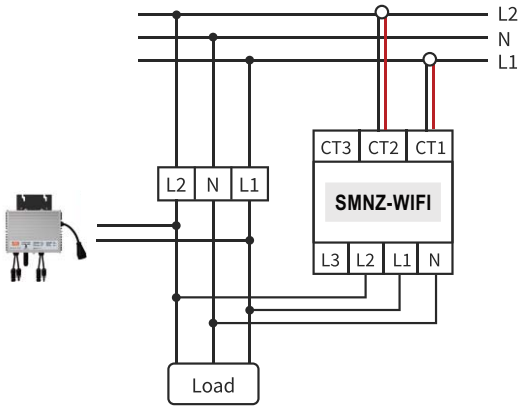
Single Phase:



APP Selection:



Split Phase:



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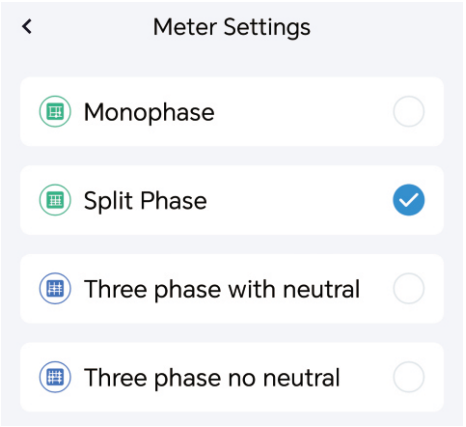
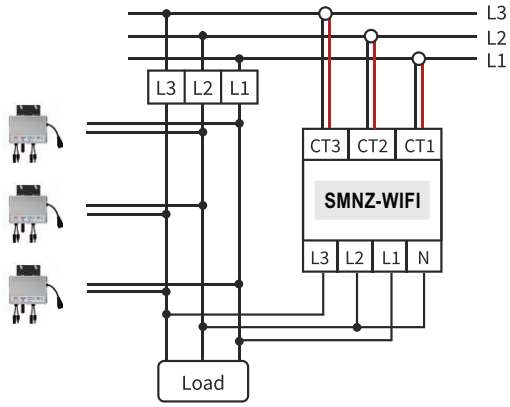


Three Phase With Neutral:



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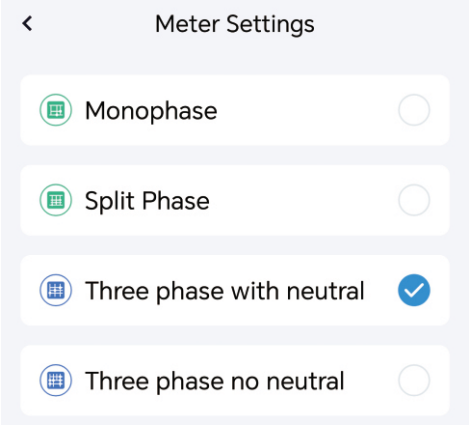
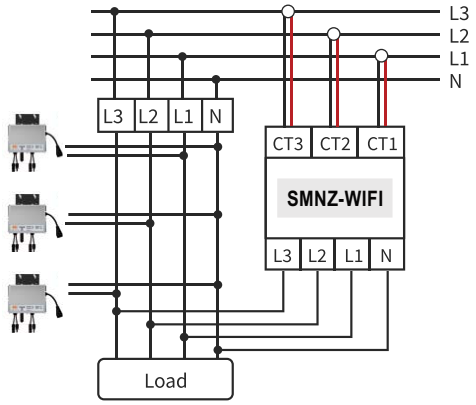
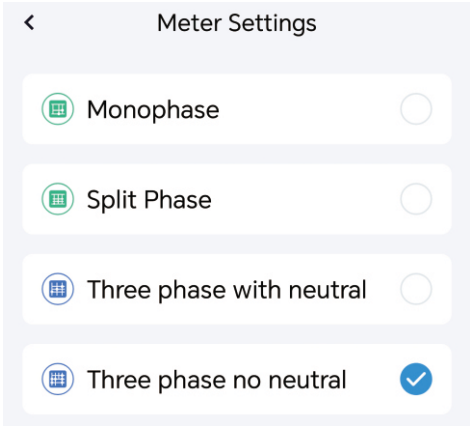


Three Phase No Neutral:



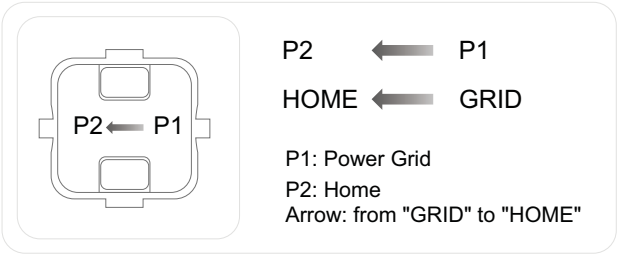
APP Selection:



Attention:

1. Power cables must be connected following phase order. L2 and L3 are not used for single phase.
2. RED and BLACK wires on Current Transformer MUST be connected to RED and BLACK ports on SMNZ

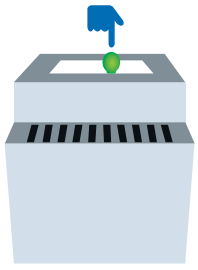
Connect Current Transformer:



To reduce the risk of electric shock, always connect Current Transformer wires before installing Current Transformer.

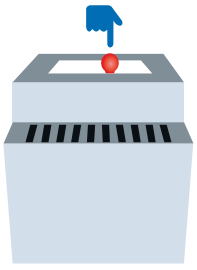
GREEN:

Power flow from GRID to HOME



RED:

Power flow from HOME to GRID



LED Indicators:

Light steady on:
Connected to the server

Light flashes 1 times:
No network

Light flashes 2 time:
Not connected to the server

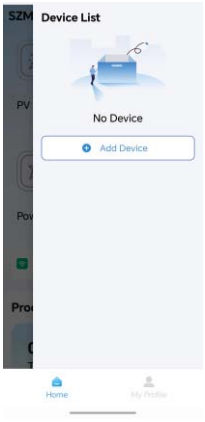
Light flashes 3 times:
Bluetooth network pairing

■ Register SMNZ to a site in Green Energy

■ Self installer

Step-1:

Click “Add devices” and scan device barcode and click “Configure network”

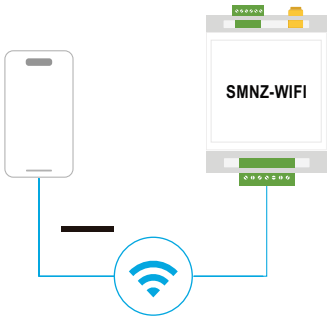


Step-2:

Enter WiFi name and Password, Complete tthe connection

■ Anti-Backflow Contral

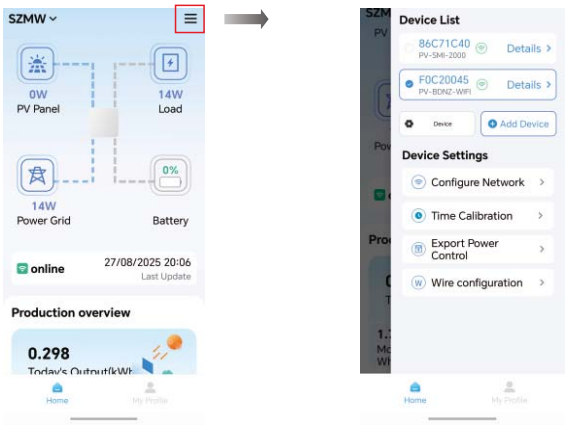
Connect Green Energy in the Same WiFi network as the SMNZ



Same WiFi network

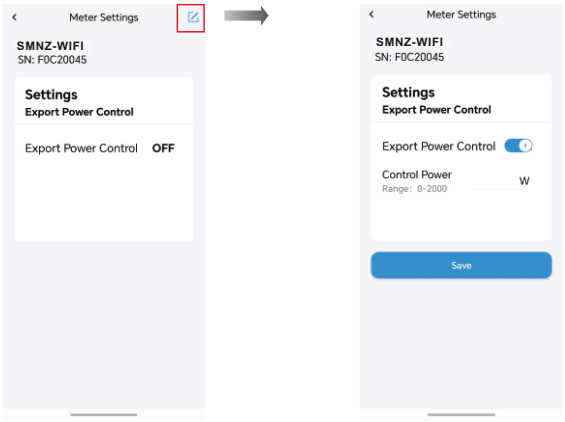
Step-1:

Click on the upper right corner to enter “Device settings", Then click “Anti-Backflow”



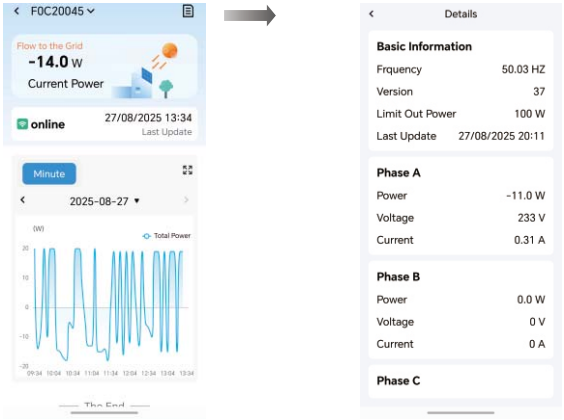
Step-2:

Click "Meter Settings" in the upper right corner to enter the settings page, and click "Save" to complete the parameter settings



■ Power monitoring through SMNZ

Green Energy displays power output of SMNZ
Channel-A corresponds to the 1st Current Transformer
Channel-B corresponds to the 2nd Current Transformer
Channel-C corresponds to the 3nd Current Transformer



■ Time Calibration