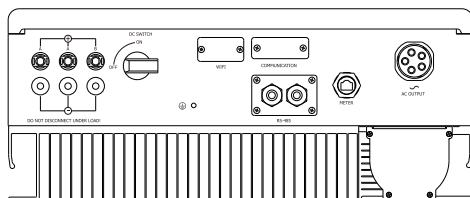


Smart meter and CT quick installation manual

1.Information

This manual is only applicable to PH5000-TM three phase PV grid inverter load matching smart meter and CT installation

2.Connector



Note:

The Inverters of PH50-7000TM-PH50-11000TM have two PV inputs, PH50-12000TM-PH50-15000TM have three PV inputs

| connector | description | function |
|-----------|--|--|
| PV | DC input to photovoltaic panel | Energy input |
| METER | Connected smart meter PIN 24 and PIN25 | The meter communicates with the inverter |
| WiFi | Connect to WiFi | Upload data, real-time monitoring of computer or mobile phone |
| AC OUTPUT | AC output connected to the grid | Energy output |
| USB | Connect to a computer using USB | PC communication to update the software and debug the inverter |

3.Meter and CT connection

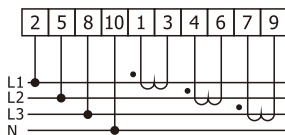


Figure 1 Three phase four wire: via current transformer

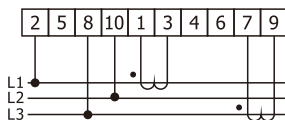


Figure 2 Three phase three wire: via current transformer



Figure 3



Figure 4

◆ Voltage signal(only for connection via current transformer)

- 2-----UA(Phase A voltage input terminal)
- 5-----UB(Phase B voltage input terminal)
- 8-----UC(Phase C voltage input terminal)
- 10-----UN(Phase N voltage input terminal)

◆ Current signal:

- 1-----IA*(Phase A current input terminal)
- 3-----IA(Phase A current output terminal)
- 4-----IB*(Phase B current input terminal)
- 6-----IB(Phase B current output terminal)
- 7-----IC*(Phase C current input terminal)
- 9-----IC(Phase C current output terminal)

◆ RS485 Communication wire

- 24-----A (RS485 Terminal A)
- 25-----B (RS485 Terminal B)

◆ Auxiliary function

19-----Active energy and reactive energy output high terminal

21-----Active energy and reactive energy output low terminal

NOTE: In the Figure 1, 2, the L1, L2, L3 correspond to Phase A, Phase B, Phase C

4. We recommend electrical connection as below

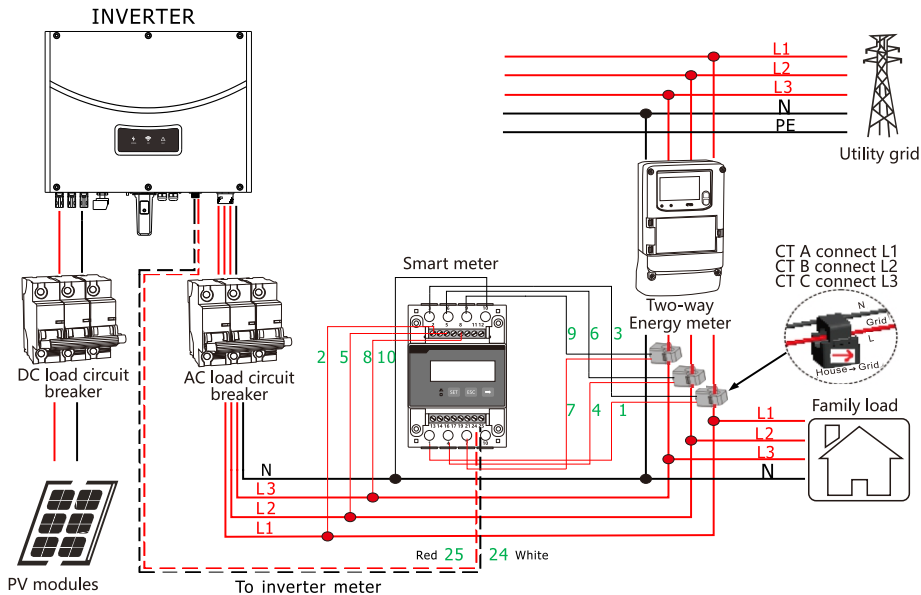


Figure 5 Three phase four wire

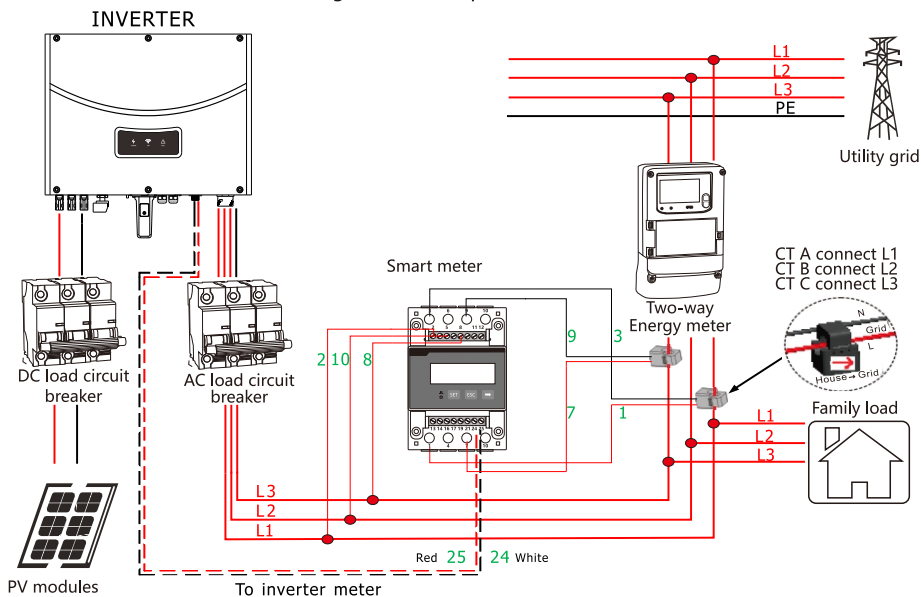


Figure 6 Three phase three wire

Note: Only for inverters with load matching functions, General PV grid inverter electrical installation diagram, please refer to the user manual; inverter must connect to PE.

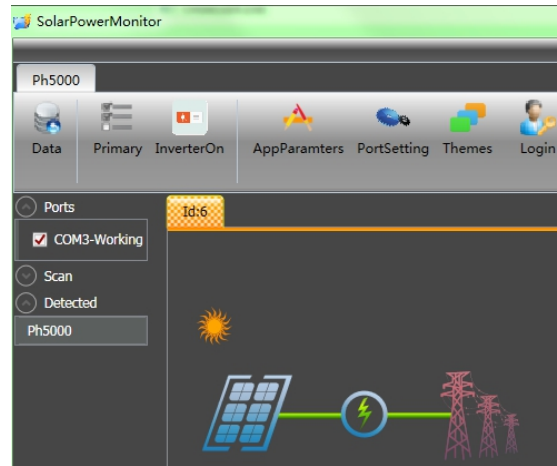
5.Open the function

Option 1/Via Solar Power Monitor

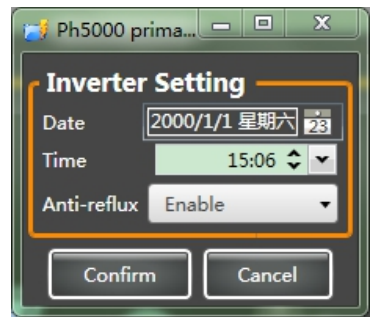
①. Install 'Solar Power Monitor 'and 'CP210X_VCP_win7_8.exe' with the CD that comes with the machine or scan the QR code on the back of the user manual.

| | | |
|-----------------------|----------|---------------------|
| .. | | |
| readme.txt | 208 B | 2018-09-19 14:01:03 |
| SolarPowerMonitor.exe | 63.6 MB | 2018-09-28 09:10:23 |
| CP210x_VCP_Win7_8.exe | 5.2 MB | 2009-10-25 16:59:18 |
| CH341SER.EXE | 237.6 KB | 2017-04-07 11:18:50 |

②. Connect the PH5000 to the computer with a USB cable, then turn on 'Solar Power Monitor'



③. Click 'Primary', Set the 'Anti-reflux' to Enable or Disable

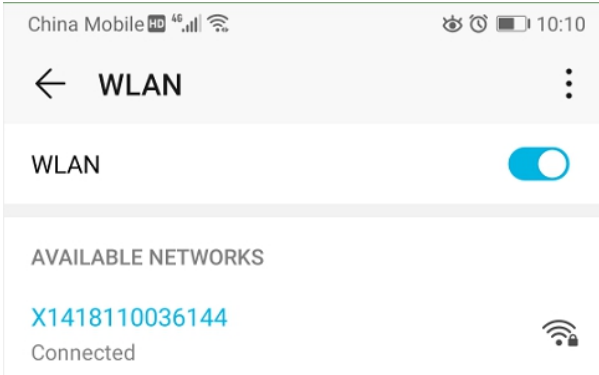


Option2 / Via APP

①. Install SmartClient

Chinese customers download the app through Eybong's official website; other customers using IOS system and Android system search 'SmartClient' through 'APP store' and 'Google play' respectively.

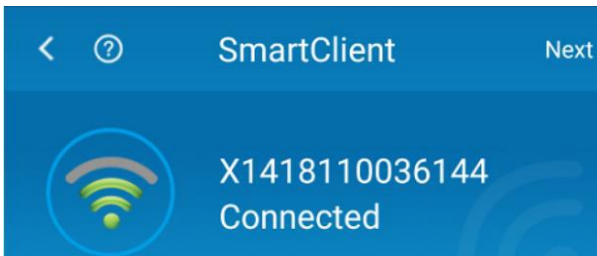
②. Turn on WIFI ,Connect WiFi - Plug (the name of the WiFi is the PN number of WiFi-Plug)
(password□12345678)



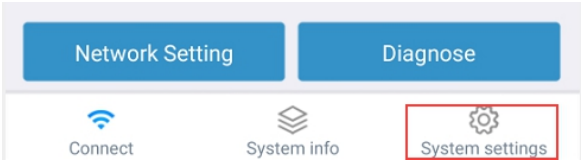
③.Run APP,and press 'Wi-Fi Config'.



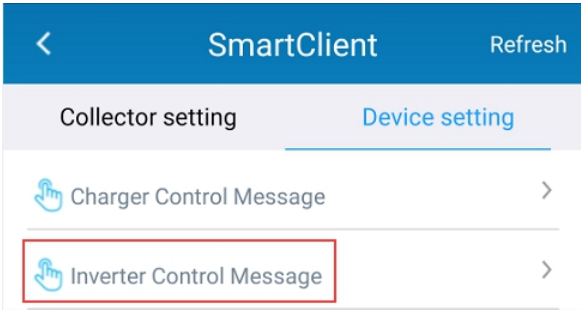
④.The normal connection status of WiFi-Plug is as follows.



⑤.Click ‘System settings’.



⑥.Then press Device setting (if no data is displayed,please click ‘refresh’), choose the ‘Inverter Control Message’.



⑦.Finally, slide down to find the ‘Anti-reflux Enable’; choose to turn the function on or off.

Anti-reflux Enable

disable

enable

Note: ‘enable’ indicates that the function is turned on; ‘disable’ indicates that the function is turned off.

