

ON-GRID INVERTER

INS-SI-1.5 INS-SI-2.5 INS-SI-3.3



Quick Installation Guide

ENGLISH VERSION

1 Installation



*There are two versions of the COM2 connector, please select the appropriate version according to the order requirements.

**Optional

B

Installation Location



D Installation Angle



2 Electrical Connection

Electrical Wiring Diagram

LO MAL

LIL.



Electrical Wiring Diagram



Electrical wiring diagram of export limit



Electrical wiring diagram of export limit & 24 hours load consumption





3



4



Monitoring Device Installation



If the inverter is connected to the Datalogger and SK, the Monitoring Device does not need to be connected, and refer to the Datalogger or SK manual to connect it to the internet.

SK installation (Optional)

F



No.	Definition	Function
5	L-S1	
6	L-S2	To detect the CT current
7-10	/	
11	PE	Ground Connection
1	L	
2-3	/	L /N connect to grid to detect power grid voltage
4	N	
RS485-1	RS485	Communicate with inverter
RS485-2	1	Reserved

SK terminals definition

Communication connection (Basic version)

Location hole	Pin	Definition	Function
	1	RS485-A1	
3-4	2	RS485-A2	Communicate with
5	3	RS485-A1	SK or Datalogger.
21	4	RS485-A2	
I	5	/	Reserved









2







C Communication connection (Extended version)

	F	2	3	4	- -	6
	00		0		© I	0
0000000 789101112	© 7	<u></u>	\$	© 10	© 11	0



Pin	Definition	Function
1	RS 485 A2	Decemb
2	RS 485 B2	Keserved
3	Fast stop +	Deserved
4	Fast stop -	Kesel ved
5	Dipswitch-1	Reserved
6	Dipswitch-2	120Ω terminating resistor dipswitch between RS 485 A1 and RS 485 B1
7	CT-S1	Detection of CT suggest for suggest limit
8	CT-S2	Detection of CT current for export limit
9	RS 485 A1	① Communicate with SK
10	RS 485 B1	for export limit & 24 hours load consumption.
11	RS 485 A1	② In case of multiple inverters,
12	RS 485 B1	all the inverters can be daisy-chained via RS485 cables.
13	/	Percented
14	1	Reserved
15	COM D/0	
16	REF D/0	
17	DRM4/8	Reserved
18	DRM3/7	
19	DRM2/6	
20	DRM1/5	







2 WiFi Module Configuration Guide



5

Click and select the corresponding router network you want to configure.



6

Input the password of wireless network, (note the case difference), Tap"Connect"



7

If connected successfully "Connection succeeded" will displayed. After successful configure, the indicator status of WIFI module will be steady on.

			8
			Scan
			-
	Connection succe	eded	
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3 LAN Module Configuration Guide

If DHCP is enabled on the router, the LAN module does not need to be configured. Otherwise, the LAN module will need to be configured on inverter screen.

① Find the "General Settings" by short pressing the button on the inverter screen.

② Enter the "General Settings" by long pressing the button on the inverter screen.

③ Find "DHCP set" by short pressing the button, then turn off DHCP function by short pressing and long pressing the button on the inverter screen.

(a) Then set the "IP Address", "Gateway Address", "Subnet Mask" and "DNS Address". Short press to change the number, long press to confirm the number and jump to the next number.



4 Indicator

A Inverter

ltem	Indicator	Status		Description	
		Off		No power.	
			Quick flashing	Inverter entered self-test status.	
1	Power and	Green	Slow flashing	Inverter entered waiting status.	
	Alarm Indicator		Breathe flashing	Inverter works normal.	
		Red	Always on	An alarm or fault is detected, view the fault info on the display.	
		Off	Grid lost.		
2	Grid	Slow flashing	Inverter detected grid but not running in on-grid mode.		
	indicator	Always on	Inverter works in on-grid mode.		
2	Communica- tion Indicator	Green	Always on	The inverter communication is running nor- mally.	
3		Green	Flashing	The inverter communicates with datalogger or SK through RS485.	
4	Display	Display off to save power, press the button to wake up the display.			
5	Button	Switch display information and set parameters by short press or long press.			

B Monitoring Device

Indicator Status	Description		
Off	Connection abnormal		
Always On	Communicate with the server normally		
Slow flashing	The monitoring device is not connected to the router or is not connected to the base station.		
Quick flashing	The monitoring device is connected to the router or connected to the base station but not connected to the server.		

Button	Description
Press 1 second	Reset device, the indicator goes off for 2 seconds, then flashes normally.
Press 5 second	Restore factory default settings, the indicator goes off for 2 seconds, then flashes once every 2 seconds, until the factory restore is completed.



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