

ON-GRID INVERTER

INS-SI-3.6

INS-SI-4.2

INS-SI-5

INS-SI-6



Quick Installation Guide

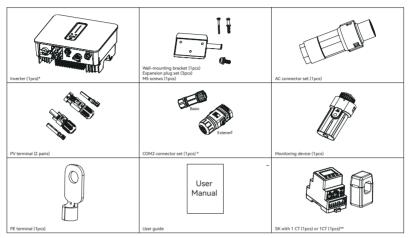
ENGLISH VERSION



1 Installation

A

Check Packing List



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

Installation Location









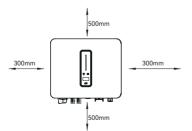




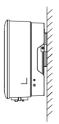
Installation Space



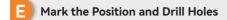
Installation Angle



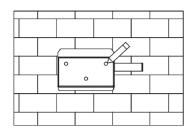


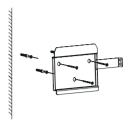


^{**}Optional



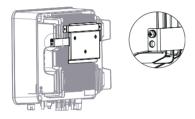






G Mounting Inverter

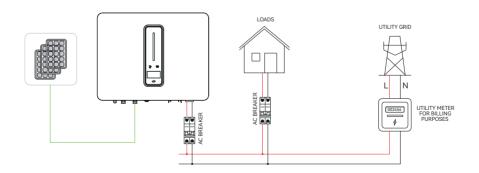




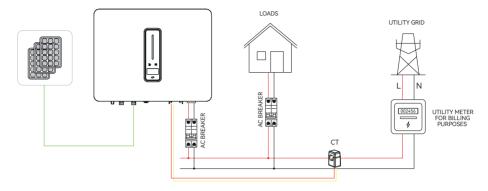


2 Electrical Connection

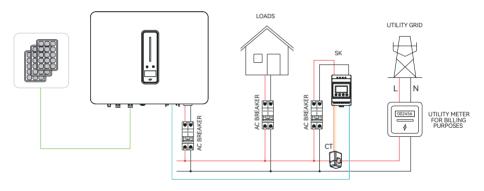
A Electrical Wiring Diagram



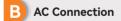
Electrical Wiring Diagram

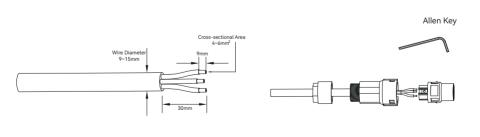


Electrical wiring diagram of export limit

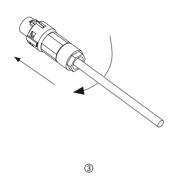


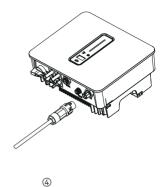
Electrical wiring diagram of export limit & 24 hours load consumption



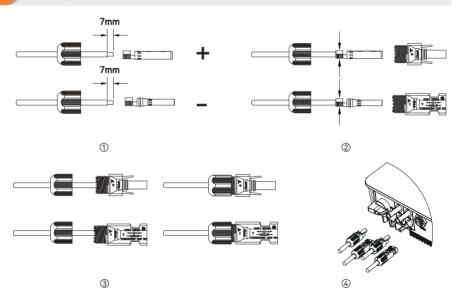


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PV String Connection



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)

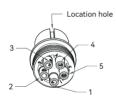


No.	Definition	Function
5	L-S1	
6	L-S2	To detect the CT current
7-10	/	
11	PE	Ground Connection
1	L	L (N) and a second to a second to
2-3	/	L /N connect to grid to detect power grid voltage
4	N	
RS485-1	RS485	Communicate with inverter
RS485-2	/	Reserved

SK terminals definition

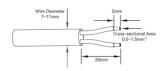
F

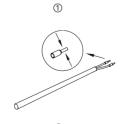
Communication connection (Basic version)



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

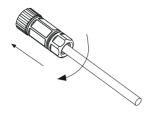








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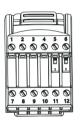








G Communication connection (Extended version)





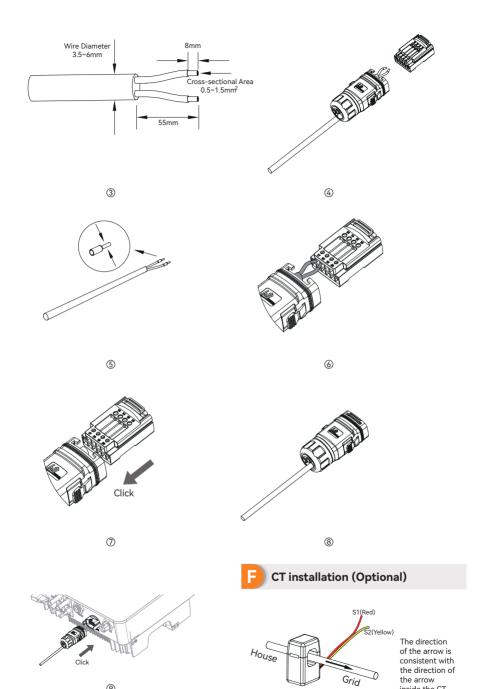
Pin	Definition	Function	
1	RS 485 A2		
2	RS 485 B2	Reserved	
3	Fast stop +	Description	
4	Fast stop -	Reserved	
5	Dipswitch-1	Reserved	
6	Dipswitch-2	120Ω terminating resistor dipswitch between RS 485 A1 and RS 485 B1	
7	CT-S1	Detection of CT current for export limit	
8	CT-S2		
9	RS 485 A1	① Communicate 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	/		
14	/	Reserved	
15	COM D/0		
16	REF D/0		
17	DRM4/8	Reserved	
18	DRM3/7	- Reserved	
19	DRM2/6		
20	DRM1/5		





1





inside the CT.

9

2 WiFi Module Configuration Guide

Prepare a laptop or Smartphone and turn on the WLAN



inverter SN), and tap

connect.



Open the browser and enter 10.10.100.254.



Tap"Scan", A list of WiFi network names pop up.



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



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

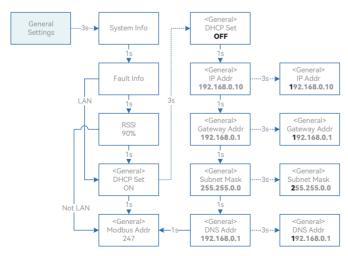




3 LAN Module Configuration Guide

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.
- ④ 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

Item	Indicator	St	atus	Description
1	Power and Alarm Indicator	Off		No power.
		Green	Quick flashing	Inverter entered self-test status.
			Slow flashing	Inverter entered waiting status.
			Breathe flashing	Inverter works normal.
		Red	Always on	An alarm or fault is detected, view the fault info on the display.
2	Grid Indicator	Off	Grid lost.	
		Slow flashing	Inverter detected grid but not running in on-grid mode.	
		Always on	Inverter works in on-grid mode.	
3	Communica- tion Indicator	Green	Always on	The inverter communication is running normally.
		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 t		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.

