

ON-GRID INVERTER

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



Quick Installation Guide

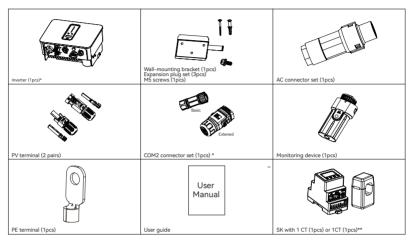
ENGLISH VERSION



1 Installation



Check Packing List



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

**Optional

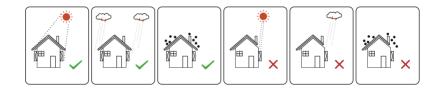
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Installation Location

чтл

500mm

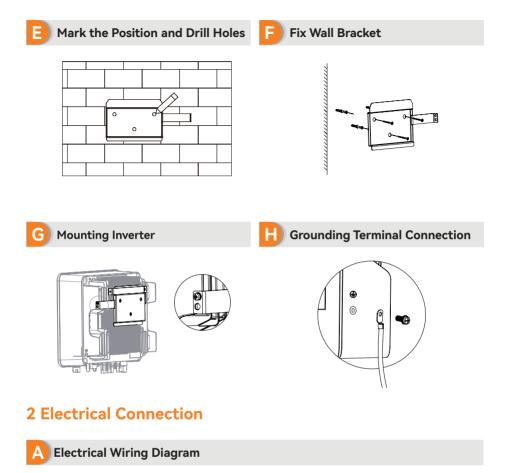
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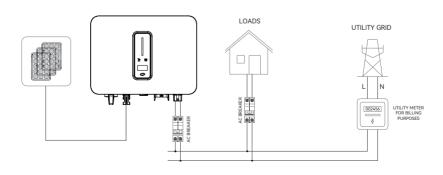


C Installation Space D Installation Angle

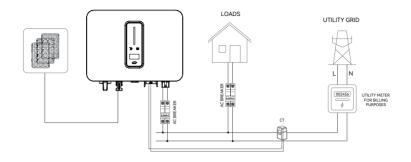
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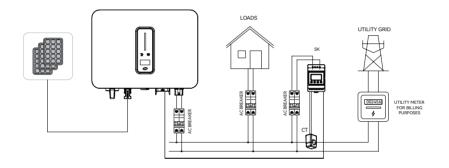




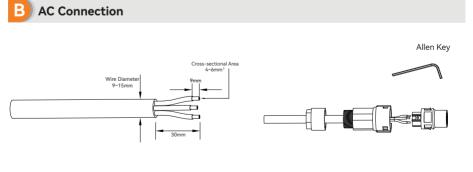
Electrical Wiring Diagram

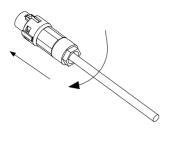


Electrical wiring diagram of export limit



Electrical wiring diagram of export limit & 24 hours load consumption

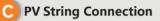


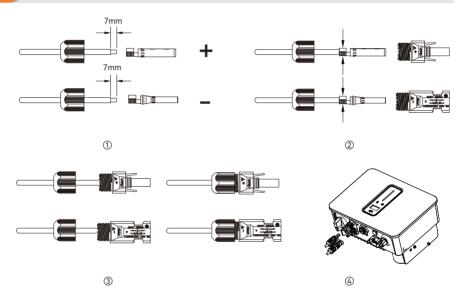


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D Monitoring Device Installation



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.

E SK installation (Optional)



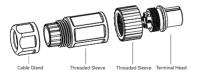
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	Definition	Function	
5	L-S1		
6	L-S2	To detect the CT current	
7-10	/		
11	PE	Ground Connection	
1	L	L (NL	
2-3	/	L /N connect to grid to detect power grid voltage	
4	Ν		
RS485-1	RS485	Communicate with inverter	
RS485-2 /		Reserved	

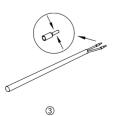
SK terminals definition

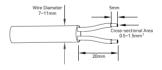
Communication connection (Basic version)

Location hole	Pin	Definition	Function
	1	RS485-A1	
34	2	RS485-A2	Communicate with
5	3	RS485-A1	SK or Datalogger.
	4	RS485-A2	
i.	5	/	Reserved



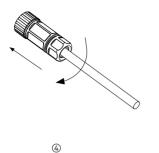


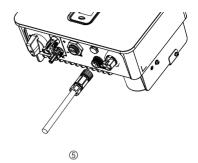




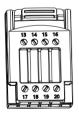
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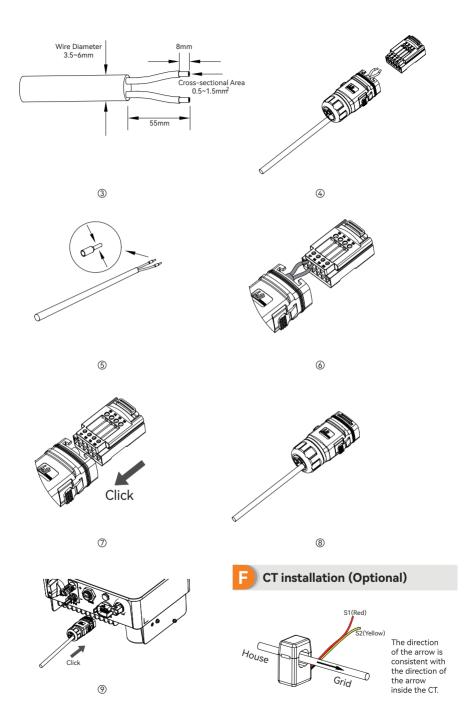
G Communication connection (Extended version)



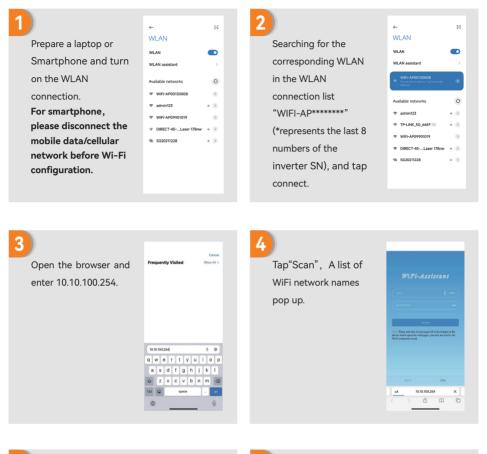
Pin	Definition	Function	
1	RS 485 A2	Reserved	
2	RS 485 B2	Reserved	
3	Fast stop +	Reserved	
4	Fast stop -	Keservea	
5	Dipswitch-1	Reserved	
6	Dipswitch-2	120Ω terminating resistor dipswitch between RS 485 A1 and RS 485 B1	
7	CT-S1	Detection of CT current for export limit	
8	CT-S2	Detection of Criticulient 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	/		
14	/		
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.

	Connection succes	ded)
levice which open Ni-Fi connection n	s the web pages, you	many not re-	
		οτα	

3 LAN Module Configuration Guide

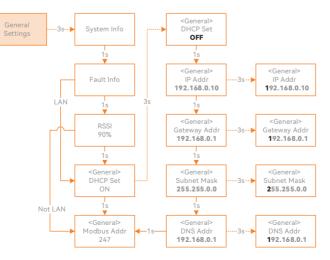
If DHCP is enabled on the router, the LAN module does not need to be configured. Otherwise, the LAN module will need to be configured on inverter screen.

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

O 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.

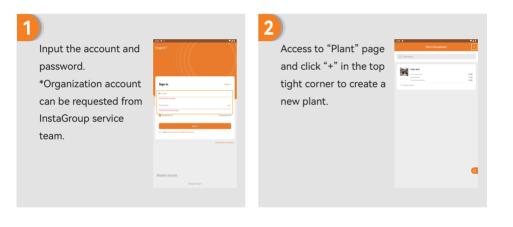


4 Create Plant&Add Device-APP

InstaGen APP has the portable version of the platform, allowing people to install it on their phones for monitoring and management of their devices and plants anytime, anywhere.



Create Plant



3

Complete the required information, with an asterisk (*) indicating mandatory fields. *Select the organiza-

tion to which the plant belongs.

**Basic information of the plant.

e New plant	•41
Enganization code	*
Platt same	**
Plant address	
betailed address	
foursyleps Virgin Islands, British (Virgin Islands, British)	
Transen UTC+01.08	
Distances the low 2023 31 31	
Plant type	
Capacity	kup.
Bottory capacity	inth-
Elisten years	
integrate D 10	
tepred D 1.0	G
Part cover	

4

The new plant will be created.



Create Plant 2 Click the plant that Click "Devices" in the 2 2 0 3 All Normal Abrornel Office was just created. bottom, and click the 0 7 C, menue "+" button in the top Insta test 8.00 3.48 8.00 right corner. 6 É ۲ ٥ ۲ 3 4 The device will be

Congineerie Transcruterin Andreseneerin (1994) Protecter Inter-2000

<u>...</u> <u>.</u>

DE (2

added to the plant.

Input or scan the SN code and Check code, and name the device.



4 Indicator



Inverter

Item	Indicator	Status		Description
	Power and Alarm Indicator	Off		No power.
		Green	Quick flashing	Inverter entered self-test status.
1			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.
	Grid Indicator	Off	Grid lost.	
2		Slow flashing	Inverter detected grid but not running in on-grid mode.	
	maleutor	Always on	Inverter works in on-grid mode.	
3	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 sa	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.





www.instagroup.co.uk