

SOP for XG8K Export Limitation

1. System Diagrams

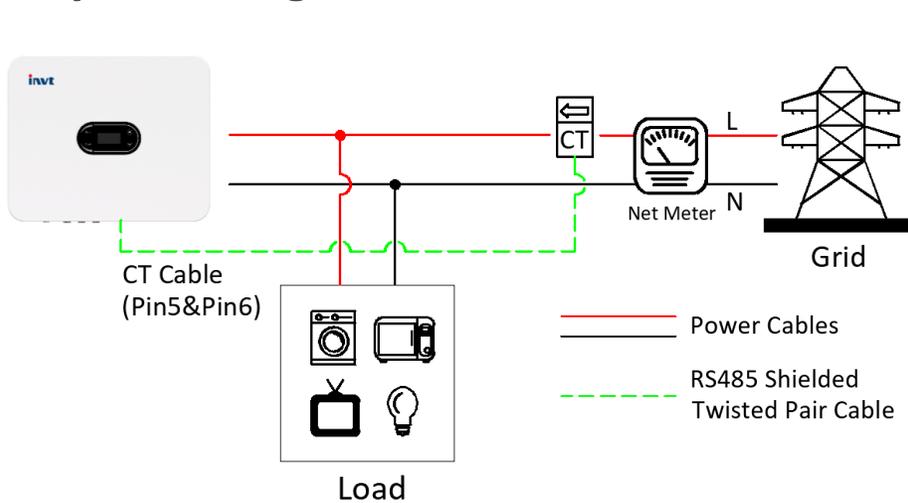


FIG.1 Single Inverter Export Limitation

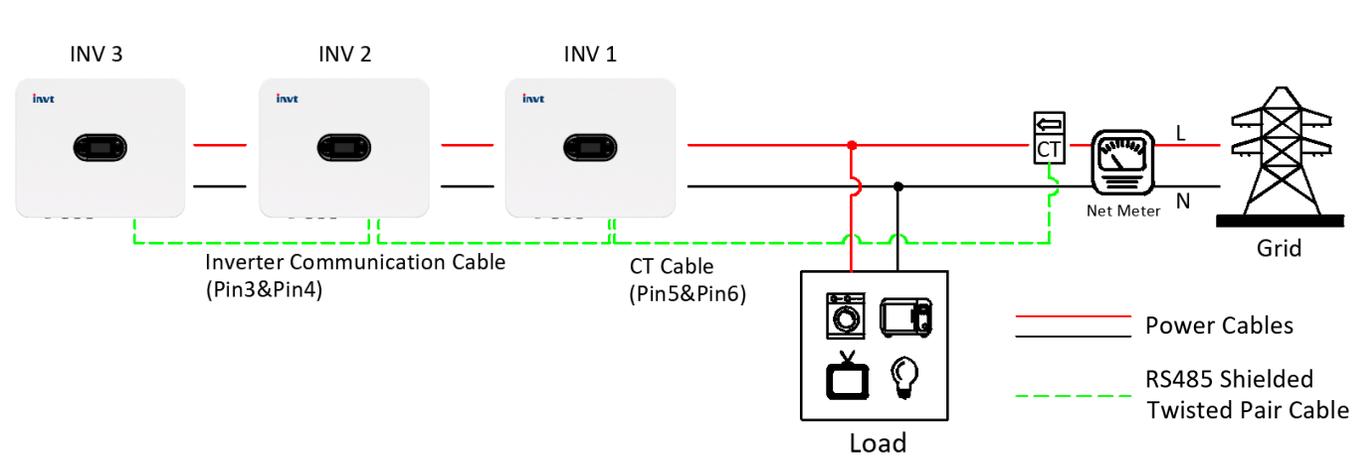


FIG.2 Multiple Inverter Export Limitation

Warning: DISCONNECT both DC & AC connections before install the CT. Otherwise there will be risk of electric shock.

- Notes:**
- 1) The CT must be installed on L wire of the main power cables before load and inverter(s).
 - 2) The arrow of the CT has to be pointing towards the load and the inverter(s).
 - 3) The CT has to be connected to Pin 5(CT+: White/Black or Red) and Pin 6(CT-: Black) on the COM connector of Inverter side.
 - 4) The Inverters have to be set to different addresses in FIG.2, and the CT only needs be connected to the inverter with Address 1(Master). Other inverters communicate with the Master via Pin 3(T/R+) and Pin 4(T/R-).

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2. Bill of Materials

Serial No.	Items	Qty	Pictures
1	Current Transformer	1	
2	COM Connector	1	

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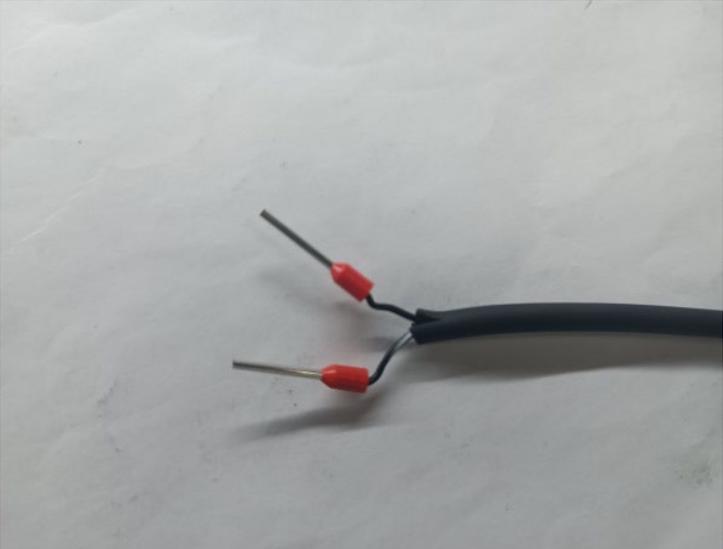
Serial No.	Items	Qty	Pictures
3	Pin Terminals	1	
4	RS485 Signal Cable (Shielded Twisted)	1	

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3. Installations

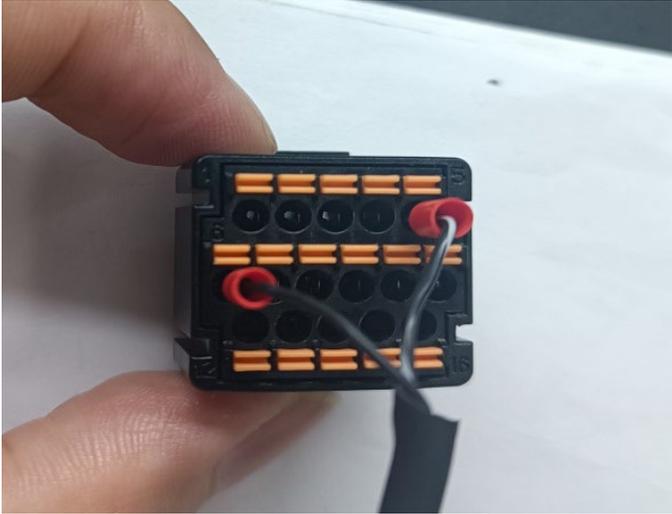
3.1 Installation of single inverter export limitation

3.1.1 Take the two red pin terminals and place them onto the CT wire ends as shown in the left picture below, and use pincer pliers to crimp the pin terminals.

Place pin terminals onto CT wire ends	Crimp pin terminals
	

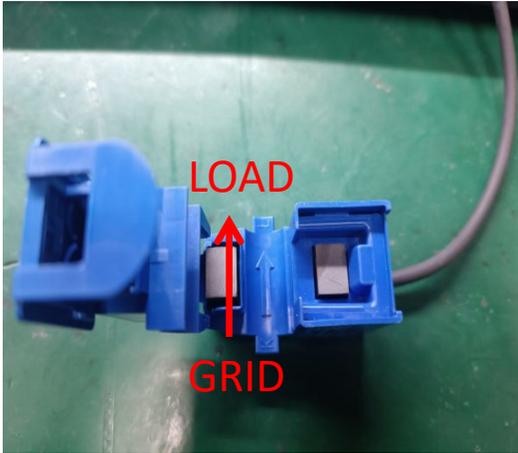
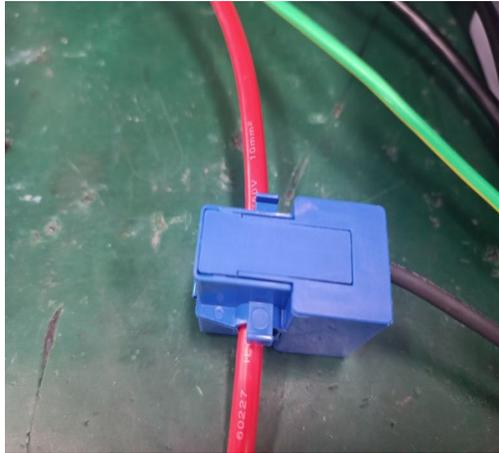
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3.1.2 Thread the CT cable through the COM connector as shown in the left picture below, the white/black wire(CT+) is connected to Pin 5, and the black wire(CT-) is connected to Pin 6 of the connector. Then buckle the COM connector.

Thread CT cable through COM connector	White/black(CT+) to Pin5; Black(CT-) to Pin6	Buckle COM connector
		

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3.1.3 The COM connector is connected to the inverter, the CT is clamped on the L wire of the main power cables before all of the loads and the inverter, and the internal arrow logo of the CT is targeted at the direction of the load and the inverter. At this point, the installation is completed.

Connect COM connector on inverter	Open buckle of CT	Clamp CT on main power cable (L wire)	Installation is complete
			

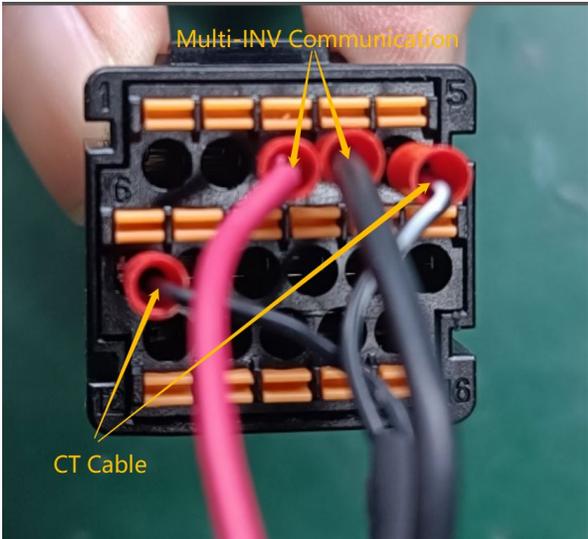
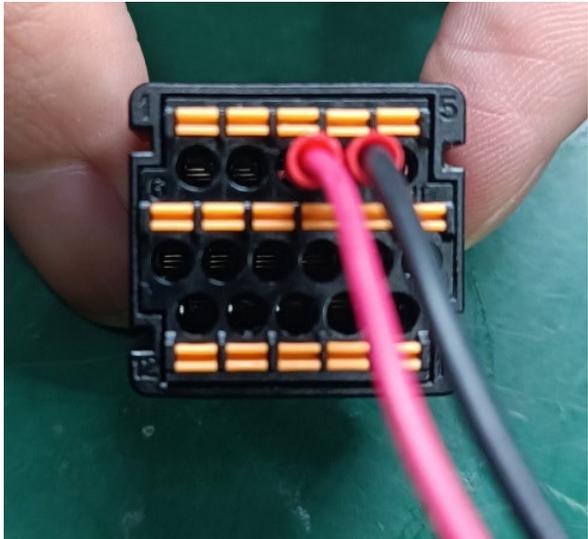
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3.2 Installation of mutiple inverter export limitation

3.2.1 Set different addresses to the inverters, for example 1, 2, 3...n as per its user manual.

3.2.2 The CT only needs to be connected to the inverter with Address 1(Master).

3.2.3 All the inverters have to be connected through RS485 cables hand by hand to make sure they can communicate with the master inverter.

<p>INV 1 (Address1) is the master, it's connected to CT via Pin5&Pin6, and communicate with other inverters via Pin3&Pin4</p>	<p>INV 2 and other inverters need to communicate with the master via Pin3(T/R+)&Pin4(T/R-)</p>	<p>Connections of INV 1 and INV 2 via two COM Connectors</p>
		

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INT 1(Address 1): One RS485 signal cable is connected to the CT, the other signal cable is connected to INV 2)



INV 2(Address 2): Only one RS485 signal cable is connected to INV1(not connected to the CT)



The installation of multi-inverter export limitation is complete



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4. Parameter Settings

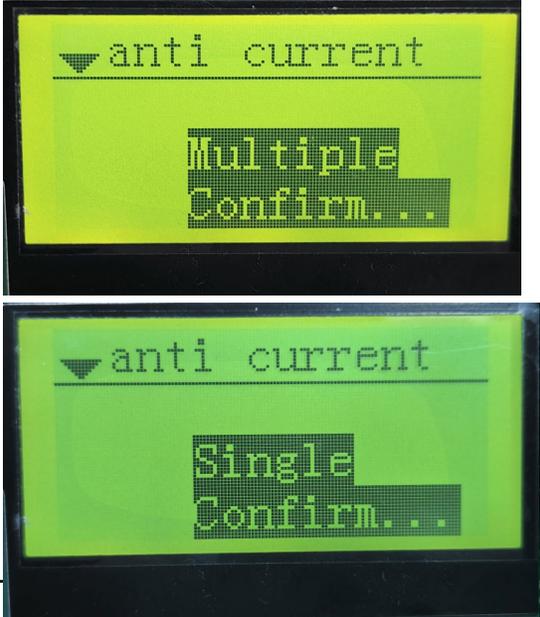
4.1 LCD Settings

4.1.1 LCD basic operations

Functions	Picture
 UP	
 DOWN	
<p>Long-press on DOWN to Enter or Confirm</p>	
<p>Long-press on UP to exit or return to upper menu</p>	

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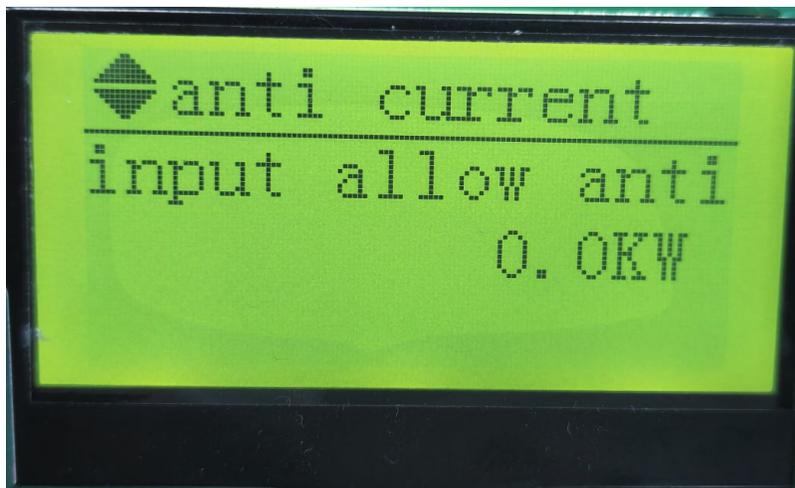
4.1.2 Enable/Disable Export Limitation

Step 1 Long-press on "DOWN" to enter setting menu and choose "admin option"	Step 2 Input 00000 or 13156 to enter "admin option"	Step 3 Press "DOWN" and choose anti-current, then long press "DOWN" to enter this menu	Step 4 Choose Single or Multiple and long press "DOWN" to confirm
			

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Step 5

In “anti current” menu, you may choose “input allow anti” which means the power that’s allowed to export to the grid. 0.0KW means zero export is allowed.



Step 6

In “anti current” menu, there is CT Ratio option in which you may set a value as per your CT Specification.



4.2 APP Settings

Pending

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