



# C | CT Installation Guide



A CT is connected to a inverter to detect the output current of the inverter and therefore to assist the control of the inveter's export power to grid.

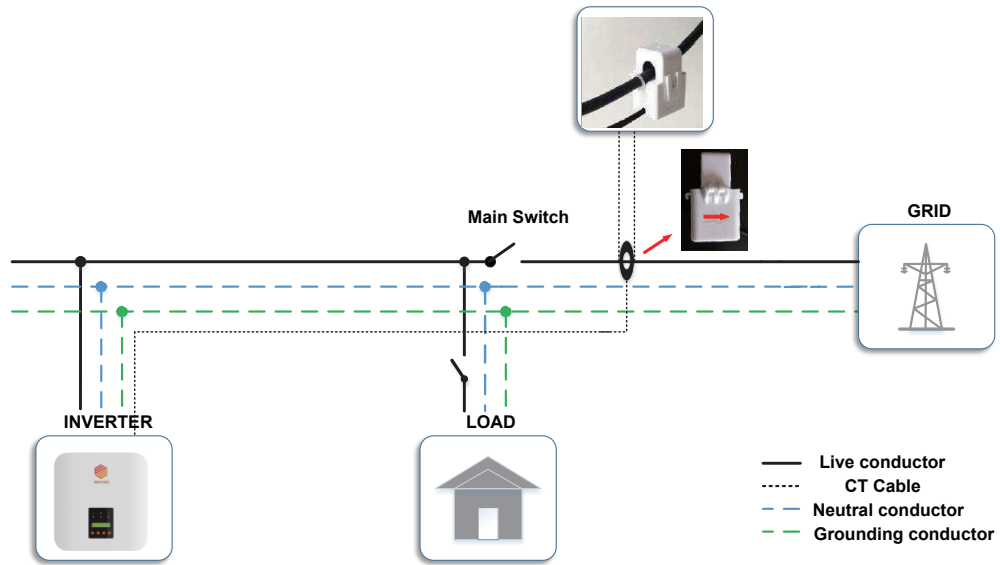


Fig. 1 schematic diagram of a PV system

### 1. Installation Steps:



#### a. CT connector assembly:

- 1) strips off the the insulation of the CT wires about 8 to 10 mm;
- 2) Thread the CT wires through the Nut and the Housing.
- 3) Connect wires to the Terminal Block:

insert the red wire to the terminal marked '1', and black wire marked '4'; screw up screws on the terminal block with the L shaped wrench and pull back wires to ensure firm connection.

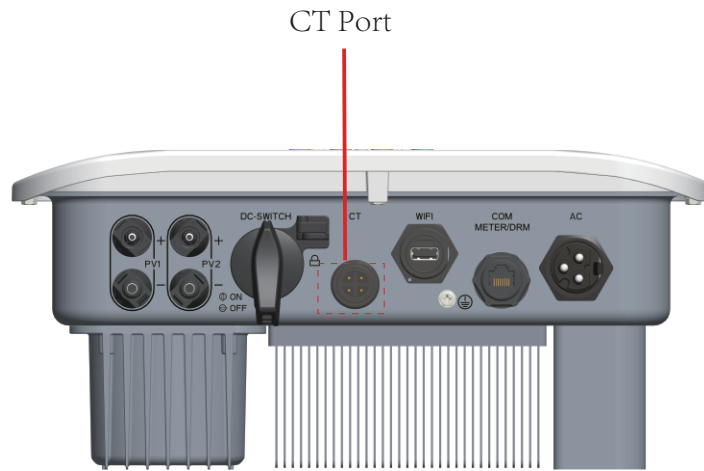
insert the black wire to the terminal marked '4'      insert the red wire to the terminal marked '1'



- 4) Connect the Terminal Block, Housing and the Nut together.

b. Install the CT connector to a inverter

Plug in the CT connector to the inverter, and rotate the terminal block until firm connection.



## 2.Specifications

Model	CTSA016
Rated Input Current (A)	100
Frequency (Hz)	50 to 1KHz
Highest Voltage for Equipment Um (rms)	≤600Vac
Accuracy Class	0.5
Phase Linearity Error	-15 to 50
Operation Temperature ( °C )	≤30°