

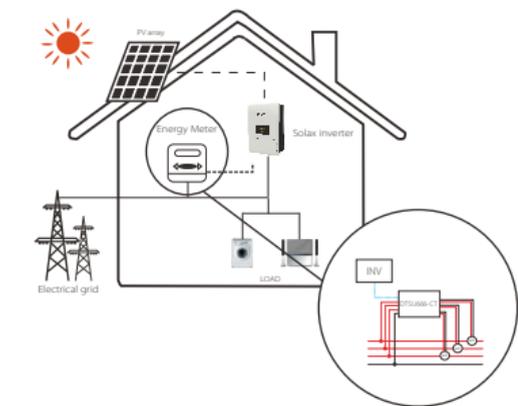


Energy Meter

DTSU666 CT

User Manual

Please read this manual carefully before use.



Notes and Safety

Cut off all power of inverter before installation! Wait for 5 minutes after power off.

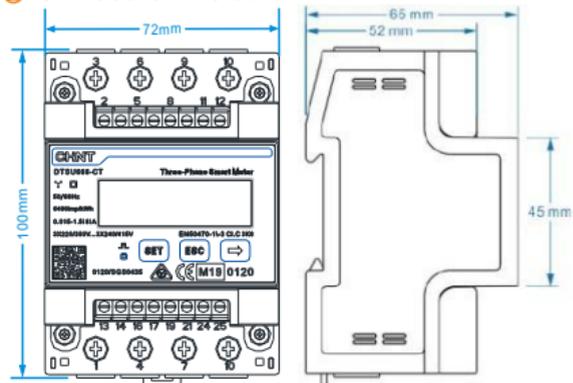
Danger of high voltage! Danger to life due to high voltage of this machine!

Introduction

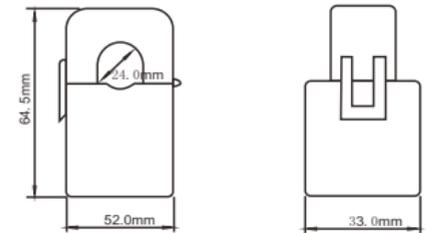
① Basic features

DTSU666 CT Meter can achieve energy management together with solax three phase inverter. It applies to 200A system on below, measure the import, export and total power and energy.

② Terminals and Dimension



2,5,8,10	Three phase input port
1,3,4,6,7,9	CT input port
24,25	RS485 port



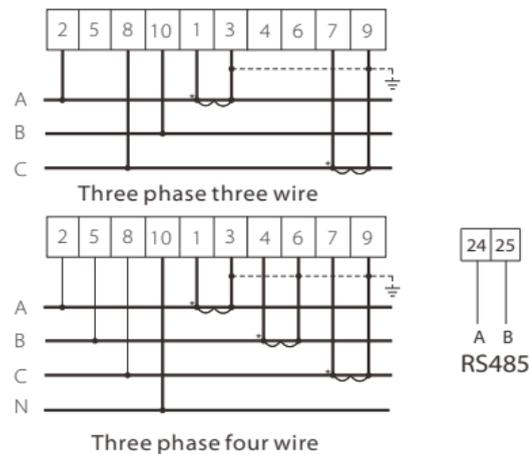
Only authorized personnel is allowed to set the connection.

③ Performance and Specification

Model	Voltage	Current	Type
DTSU666-CT	3x220/380V...3x240/415V	0-200A	Via transformer

Installation

① Wiring diagram



Cable withstand voltage: 600V

Supported cable size:
CT cable: ≥5AWG or ≤16mm²
Communication cable: 17~23AWG or 0.25~1mm²
AC power cable: 17~23AWG or 0.25~1mm²

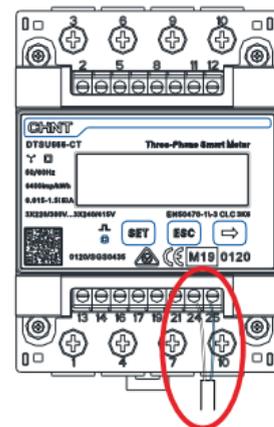
② Wiring Connection

Step 1: RS485 terminal connection

- 1.Prepare a communication cable.
- 2.Trip the insulation from the communication cable.
- 3.Connect the meter communication cable and inverter with reference to the inverter manual.
- 4.Connect the other end of the communication cable to the port 24 and 25 of meter. See the figure below for the connection.

Please note that the same color communication cable is used for the same communication port identifier between the inverter and the meter.

PS: The color of the communication cable in the figure is for reference only. Please refer to the actual situation for the specific connection.



Step 2: Voltage wire connection

- 1.Connect the L wires with ports 2/5/8 of the meter.
- 2.Connect the N wire with port 10 of the meter.
- 3.Connect the L wires with CTs and insert the CT wires to ports 1/3/4/6/7/9 of the meter respectively.

