

# Quick Installation Guide (Smart Meter PEEM-S100)



## Packing List

Meter*1	CT*1	Antenna*1	Connection*3	Quick Installation Guide*1

\* Due to different current specifications, the physical appearance of the CT may differ.

## Port Description

	Label	Meter Wiring
	4(I1*)	CT - Red Wire
	5(I1)	CT - Black Wire
	11(U1)	Live Wire
	14(UN)	Neutral Wire

## Smart Meter Installation

### Danger

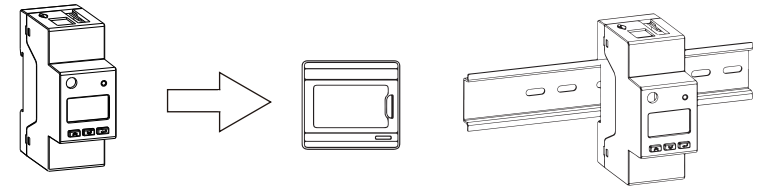
- Installation is limited to professional personnel only.
- Before installation, ensure that all switches inside the distribution box are turned off.
- Do not touch any live conductors inside the distribution box to prevent electric shock.

- Step 1: Connect the live wire (L) to port 11 and the neutral wire (N) to port 14. Then connect the current transformer (CT) to ports 4 and 5. For safety considerations, it is advisable to install a fuse on the live wire.

### Caution

The red wire of the current transformer (CT) must be connected to port 4, and the black wire must be connected to port 5. Incorrect connections will cause the system to fail to operate.

- Step 2: Install the Smart Meter on the rail of the distribution box.



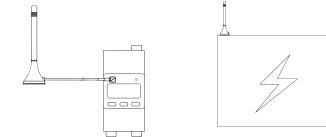
- Step 3: Install the Current Transformer (CT) on the live wire (L). The arrow direction on the CT should point from the power grid side to the microinverter side.

The overall installation wiring diagram of the smart meter can be found on the reverse side as Figure 1-1 and Figure 1-2.

### Caution

In a three-phase power grid, the smart meter must be installed on the same phase as the corresponding microinverter (or micro storage unit), and the current transformer (CT) must be installed on the live wire of that phase, ensuring that the arrow on the CT points from the grid to the microinverter.

- Step 4: Connect the Wi-Fi antenna wire to the smart meter and place the antenna outside the distribution box to ensure a strong Wi-Fi signal.



- Step 5: After ensuring that the connections of the Smart Meter are accurate, turn on the switch inside the distribution box again.

### Caution

When no power generation equipment is installed, if the meter reading shows a negative value, the direction of the Current Transformer (CT) should be checked.

- Step 6: After installation, please scan the QR code below to access the “PEEM-S100 Meter User Manual” or the network configuration video to complete the subsequent APP network configuration operation.

### Caution

Please set the network to 2.4GHz Wi-Fi band to connect Smart Meter.



Figure 1 - 1 Wiring Diagram of Single - phase Smart Meter in Single - phase Power Grid

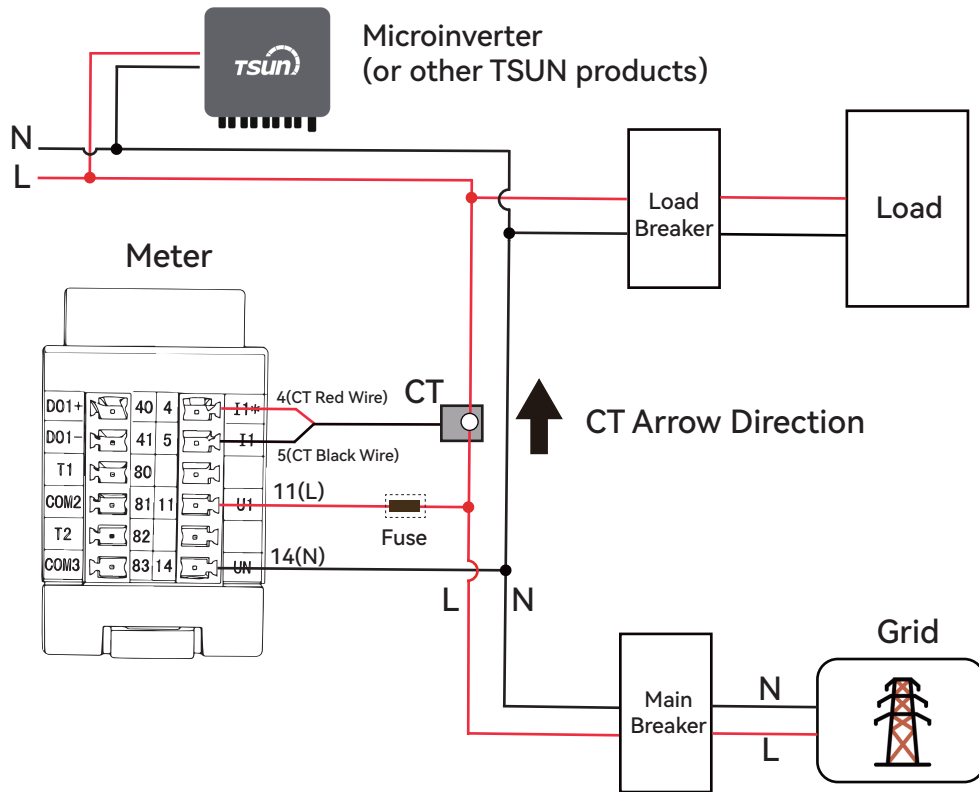
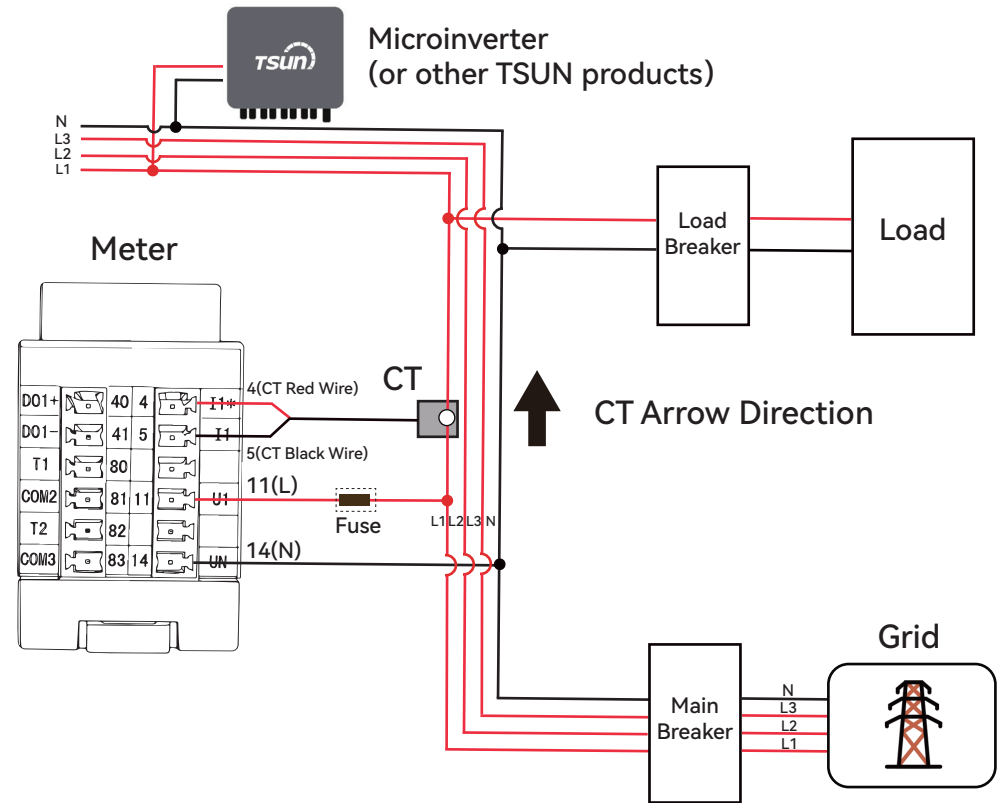


Figure 1 - 2 Wiring Diagram of Single - phase Smart Meter in Three - phase Power Grid



TSUNESS Co., Ltd

E-MAIL : sales@tsun-ess.com

WEB : www.tsun-ess.com

TÉL : +86-512-66186028

