

# SDM630MCT-ETL Smart Power Sensor for North America

## Quick Guide

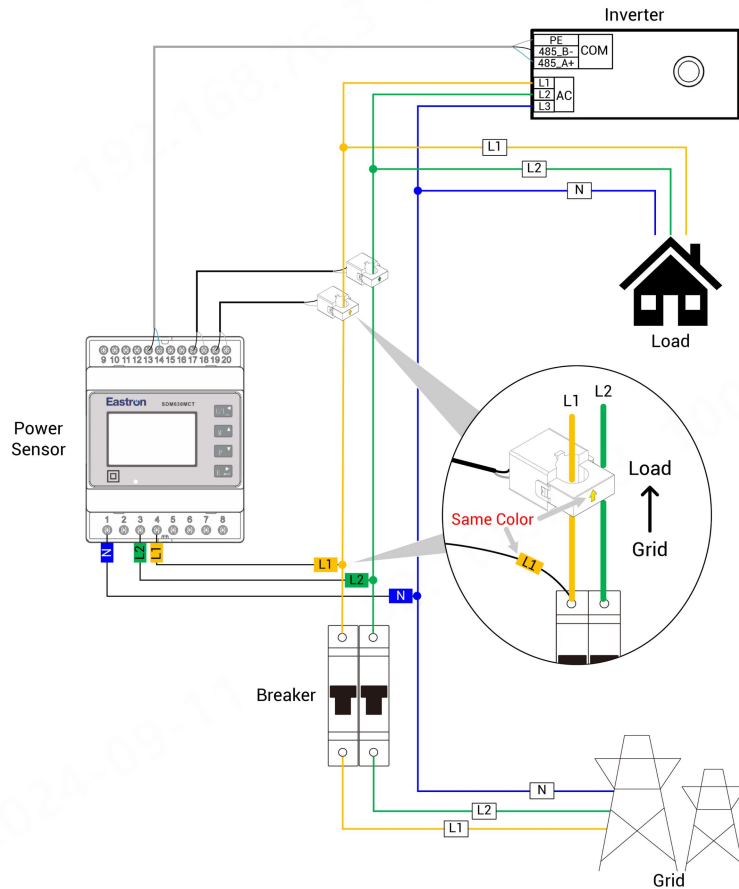


Please scan the QR code to obtain the electronic  
version of the quick guide and user manual



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## Split Phase (1P3W)



### Notes:

1. Power sensor has been pre-connected with CTs and wires, please check whether the wiring is tight before and after installation.
2. For split-phase grid, follow the steps below for installation:
  - Remove the CT (Port 15, 16) and voltage sampling wires (Port 2) of the L3 (Red) before wiring.
  - Install CTs and voltage sampling wires of L1 (Yellow) and L2 (Green) to two of the phase lines.
  - Make sure that CT (Label) and voltage sampling wire (Sleeve) on the same phase have the same color. Phase line and N line cannot be mixed.
3. Make sure the direction of the arrow on CT point from grid to load.
4. Power sensor requires circuit breaker for protection, otherwise voltage sampling wires need to be connected with a fuse in each phase. Recommended fuse specification: 240V/1A

## 1P3W Setup Guide



1. Initial interface after power on



2. Press E button for 3s to enter the password input interface



3. Press M button to enter the password (default 1000)



4. Press E button for 3s to enter the setting interface



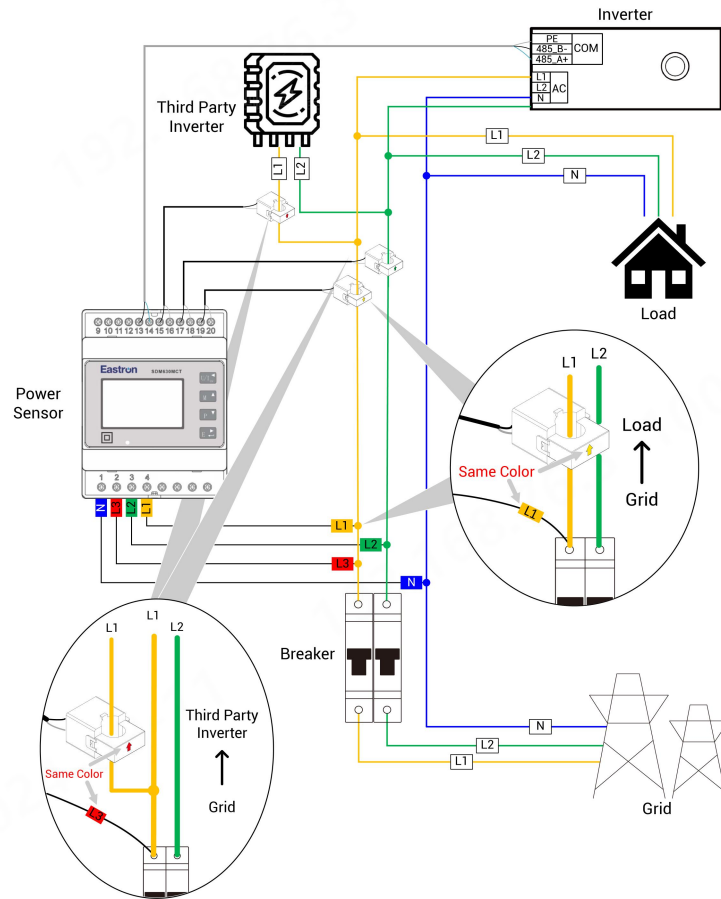
5. Press P button to select SYS, and press E button for 3s to enter SYS setting interface



6. Press P button to select 1P3, then press E button for 3s to exit SYS setting, then press U/I button for 3s to exit the initial interface.

## Split Phase with Third Party Inverter (3P4W)

3P4W Setup Guide  
(Default 3P4W, no setting required)



### Notes:

1. Power sensor has been pre-connected with CTs and wires, please check whether the wiring is tight before and after installation.
2. For split-phase grid with third-party inverter, follow the steps below for installation:
  - Install the CT and voltage sampling wires of the L1 (Yellow) and L2 (Green) to the two phase lines of the split-phase grid
  - Install the CT and voltage sampling wires of the L3 (Red) to a phase line of the third-party inverter. Make sure that the CT (Label) and voltage sampling wires (Sleeve) on the same phase have the same color. Phase line and N line cannot be mixed.
3. Make sure the direction of the arrow on CT point from grid to load.
4. Power sensor requires circuit breaker for protection, otherwise the voltage sampling wires need to be connected with a fuse in each phase. Recommended fuse specification: 240V/1A
5. The color on the CT and voltage sampling wires are specially applied to guide the wiring, the purpose is to ensure CT and voltage sampling wires are correctly matched for each phase, please note that it is not a phase color marking, we use the label marking (L1, L2, L3) method for each phase instead.