

SDM630-M Smart Power Sensor

QuickGuide



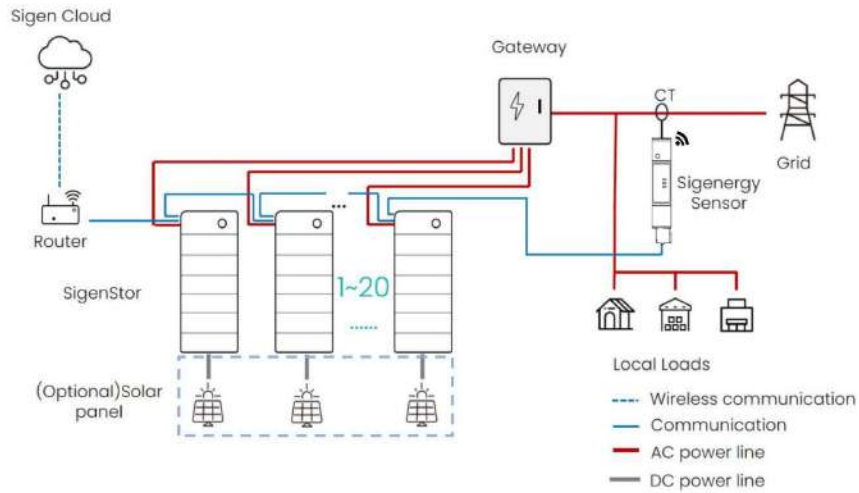
Please scan the QR code to obtain the electronic version of the quick guide and user manual



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Requirement for Power Sensor

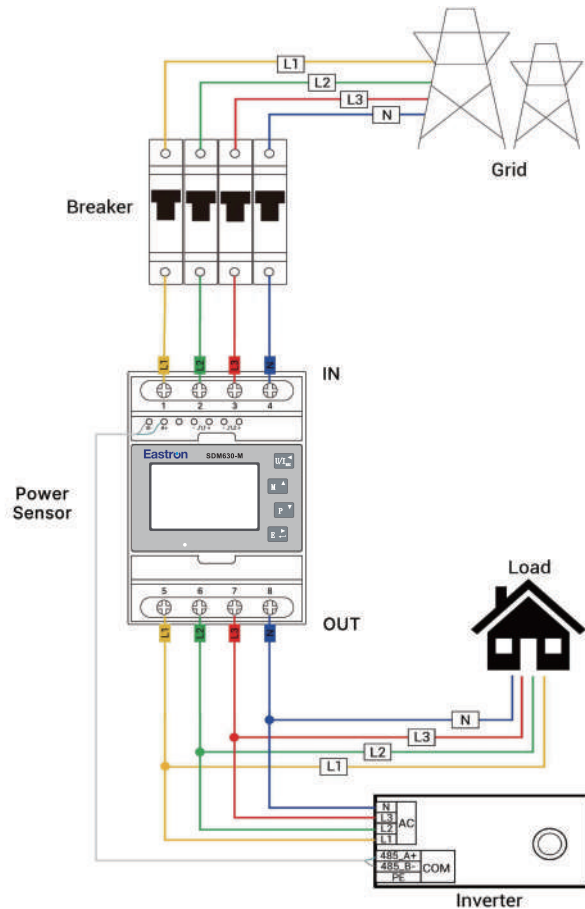
System Networking



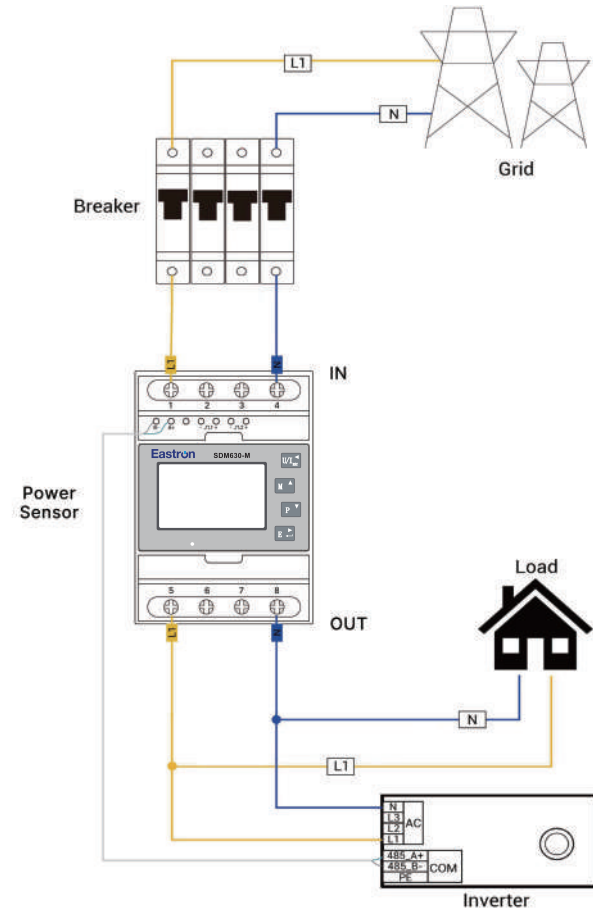
Notes:

- 1.For the installation location and wiring of the power sensor, please consult our engineer.
- 2.For voltage sampling, if the grid voltage is $\leq 277V$, you can connect the wires directly;

Sampling Voltage $\leq 277\text{Vac}$ (3P4W)



Sampling Voltage $\leq 277\text{Vac}$ (1P2W)

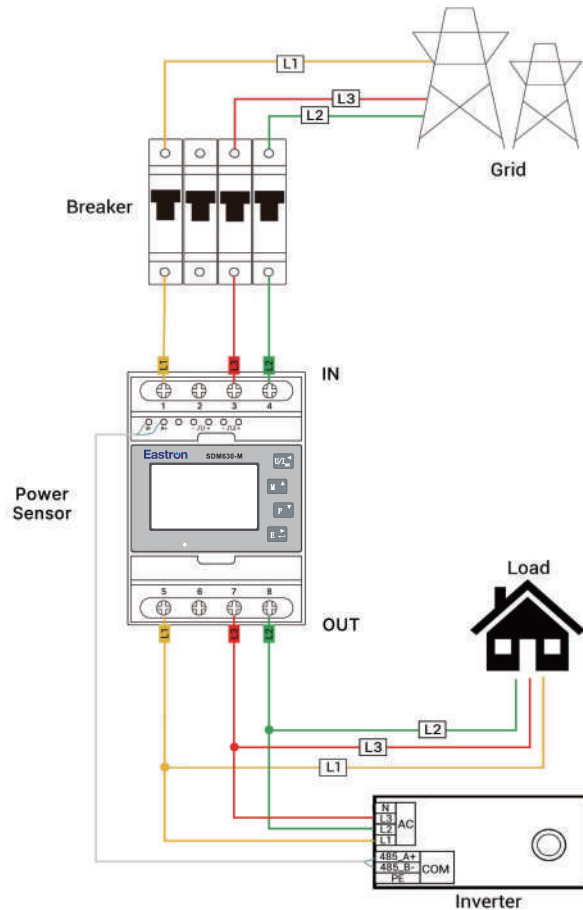


Notes:

1. Sampling voltage $\leq 277\text{Vac}$ (3P4W, 1P2W).
2. During installation, ensure that the L and N wires are correctly connected.
3. 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: $\geq \text{measuring voltage}/1\text{A}$.

Sampling Voltage $\leq 277\text{Vac}$ (3P3W)

Wiring Guide



Notes:

1. Refer to the guide to wiring, setup 3P3W system type.
2. For the 3P3W grid, follow the steps below for installation:
Remove the voltagesampling wires (Port 2, Port 6) of the L2 before wiring.
Line Side Connection: Install the voltage sampling wires of L1 (Port 1), L3 (Port 3), and N (Port 4) to the corresponding phases of the grid supply.
Load Side Connection: Install the voltage sampling wires of L1 (Port 5), L3 (Port 7), and N (Port 8) to the corresponding phases leading to the load.
3. 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:
 $\geq \text{measuring voltage}/1\text{A}$.

3P3W 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 3P3, then press E button for 3s to exit SYS setting, then press U/I button for 3s to exit the initial interface.

SDM630-M 功率传感器

快速安装指南



请扫描二维码获取电子版快速
安装指南和使用说明书

地址: 浙江省嘉兴市南湖区七星街道东进路 52 号

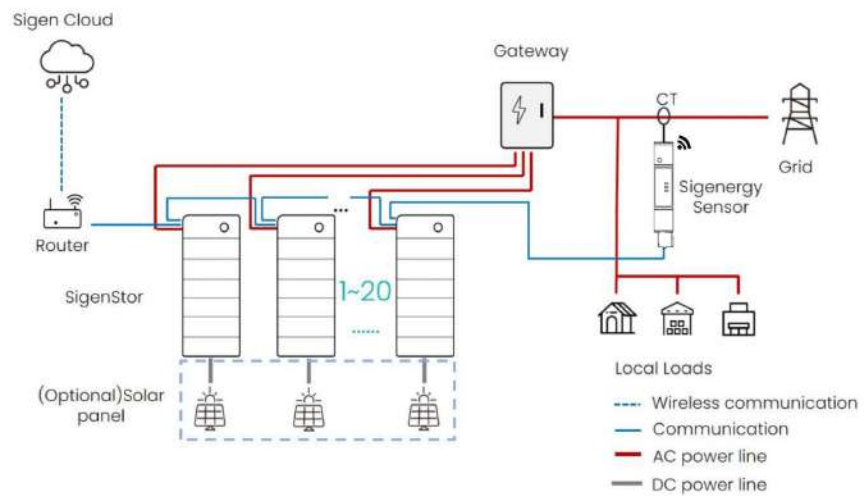
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功率传感器要求

系统组网图

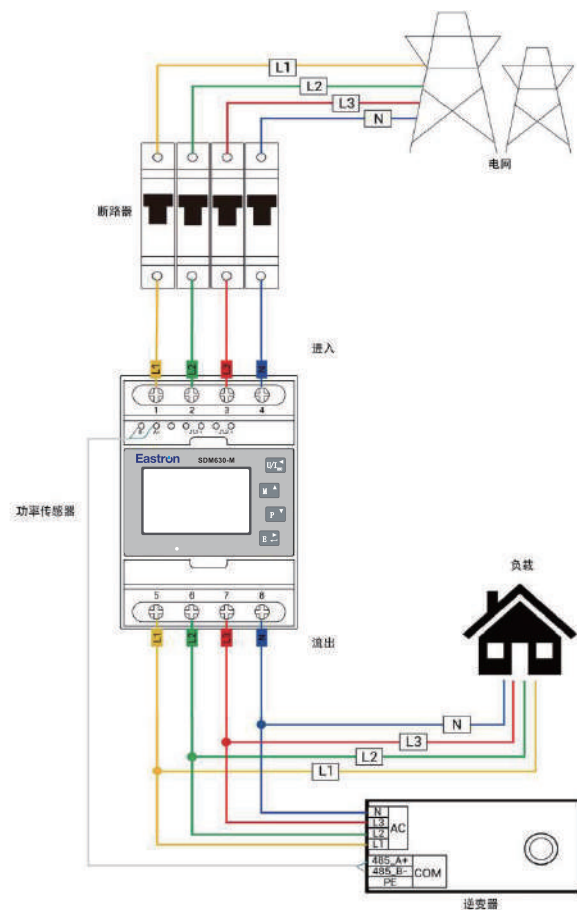


注意:

- 1.功率传感器安装位置和接线, 请参考系统组网图和接线指导, 或者咨询我司工程师。
- 2.电网电压 $\leq 277\text{Vac}$, 功率传感器可直接接线进行电压采样;

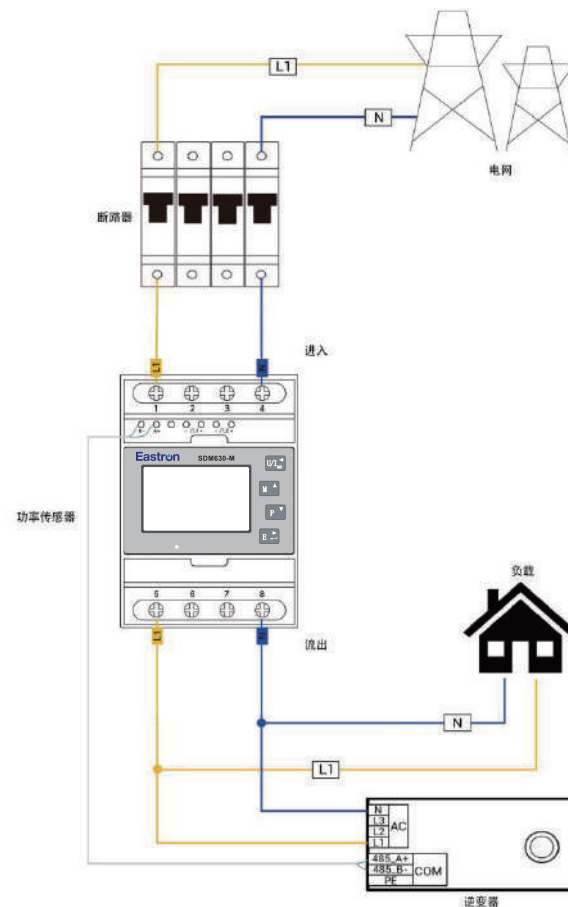
三相四线 (3P4W)

接线指导



单相两线 (1P2W)

接线指导

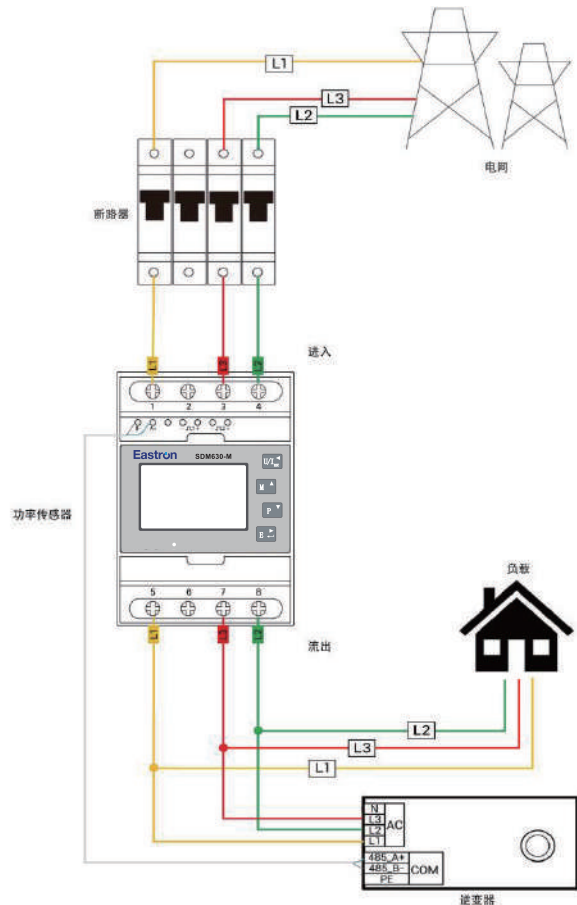


注意：

- 1.请参考指导进行接线。
- 2.安装时需确保 L 和 N 线连接正确。
- 3.功率传感器前端需要安装断路器用于短路保护，否则电压采样线前端需要串接熔丝进行保护，熔丝推荐规格：≥额定一次侧电压/1A

三相三线(3P3W)

接线指导



注意:

- 1.请参考指导进行接线。
- 2.如果用于三相三线电网，请按照下面步骤安装：
接线前先拆除 L2 相的电压采样线（端口 2、端口 6）。
进线侧：电表 L1（端口 1）、L3（端口 3）、N（端口 4）相的电压采样线分别接入电网的 L1、L3、L2 相相线上。
出线侧：电表 L1（端口 5）、L3（端口 7）、N（端口 8）相的电压采样线分别接出到去往负载的 L1、L3、L2 相相线上。
- 3.功率传感器前端需要安装断路器用于短路保护，否则电压采样线需要串接熔丝进行保护，熔丝推荐规格：额定一次侧电压/1A。

3P3W 设置制式



1.开机后初始界面



2.长按 E 键 3s 进入输入密码界面



3.按 M 键输入密码(缺省 1000)



4.长按 E 键 3s 进入设置界面



5.按 P 键选择 SYS, 长按 E 键 3s 进入 SYS 设置



6.按 P 键选择 3P3 制式, 长按 E 键 3s 退出 SYS 设置, 再长按 U/I 键 3s 退出到初始界面