



Datasheet of WEM3046T

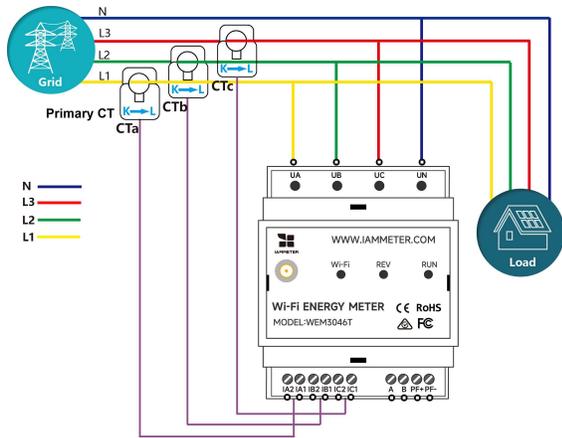
**Three Phase Energy Meter Wi-Fi, split phase, 5A CT input,
Modbus TCP/RTU**

The maximum current transformer (CT) rating for the WEM3080T is 500A, with a CT diameter of 35mm. If your application requires a higher current range or a thicker cable, the **WEM3046T** is a suitable alternative. Customers can select different CT ratings based on their needs, as long as the CT provides a standard 5A output.

The **WEM3046T** includes all key features available in the WEM3080T, offering flexibility and expandability in high-current installations.

■ New! For a comprehensive overview of WEM3046T and WEM3046TE, refer to this article: [WEM3046T & WEM3046TE Three-Phase Wi-Fi Energy Meters - IAMMETER](#)

WEM3046T



The WEM3046T supports standard 5A output current transformers, such as 1000:5, 1500:5, 2500:5, etc. These CTs can be connected directly without the need for amplifiers or special adapters.

Standard Package

Note: Unlike the WEM3080T, the WEM3046T **does not include** CTs in the standard package. You will need to prepare three external CTs (each with a 5A secondary output).

No.	Item	Qty	Remark
1	Wi-Fi Energy Meter	1	Wi-Fi Module Embedded
2	2.4G Wi-Fi Antenna	1	



Common Application Scenarios

- When a 5A CT is already installed in the distribution box.
- When the monitored cable is too thick for standard 35mm CTs.

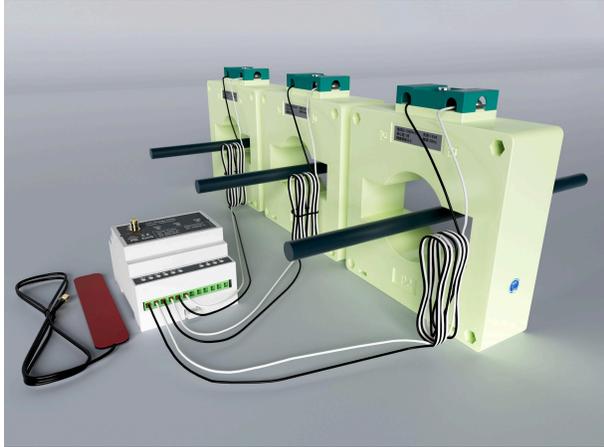


3-Phase 1500A Package (Optional)

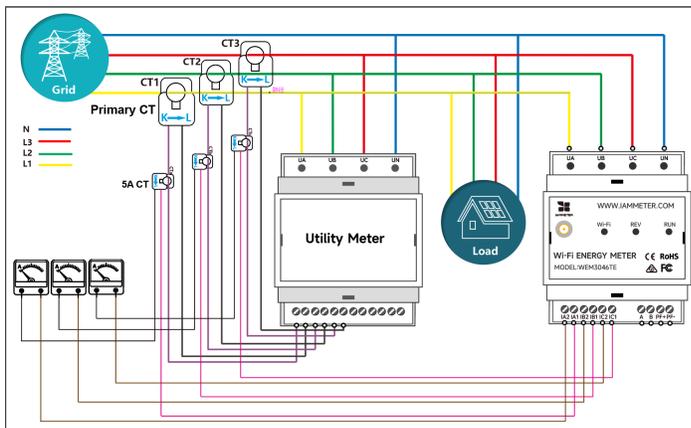
If you prefer a complete set, we also offer a pre-configured package that includes:

- 1× WEM3046T
- 3× 1500A CTs (**Class 0.5** accuracy)

[→ View 3-Phase 1500A Package Details](#)



WEM3046TE



The **WEM3046TE** is a variant of the WEM3046T, designed specifically for **double-CT installation** scenarios.

Why WEM3046TE is Ideal for Double CT Installations

In some installations, the existing CTs connected to the utility meter cannot be shared. The WEM3046TE solves this by using **split-core CTs** that clamp around the primary CT wires, creating an indirect measurement path—commonly referred to as a **"double CT" installation**.

Standard package

The WEM3046TE comes with three **5A, 10mm split-core CTs** (current transformers).

No.	Item	Qty	Remark
1	Wi-Fi Energy Meter	1	Wi-Fi Module Embedded
2	Current transformer	3	10mm, 5A, split-core CTs
3	2.4G Wi-Fi Antenna	1	



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