

GOODWE



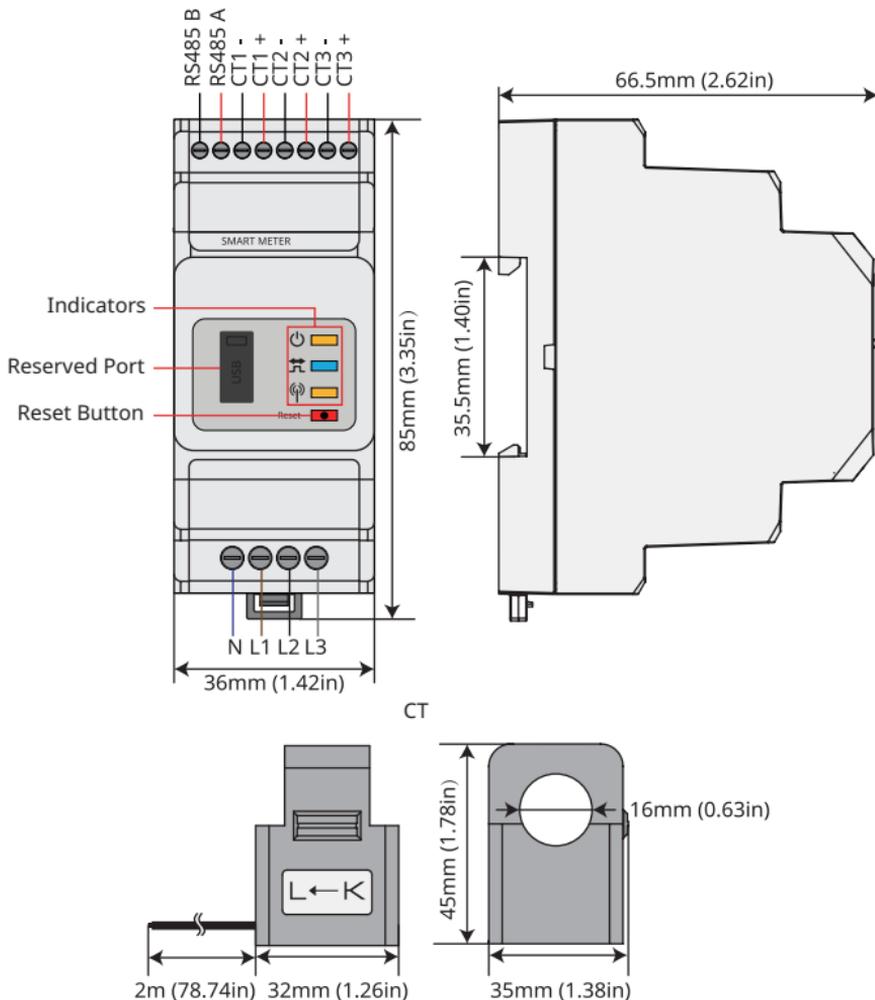
Quick Installation Guide

Smart Meter

(GM1000D/GM3000/GM1000)

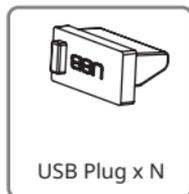
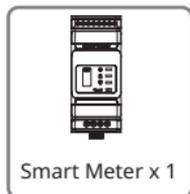
V1.0 -2022-01-25

01 Product Introduction



02 Installation

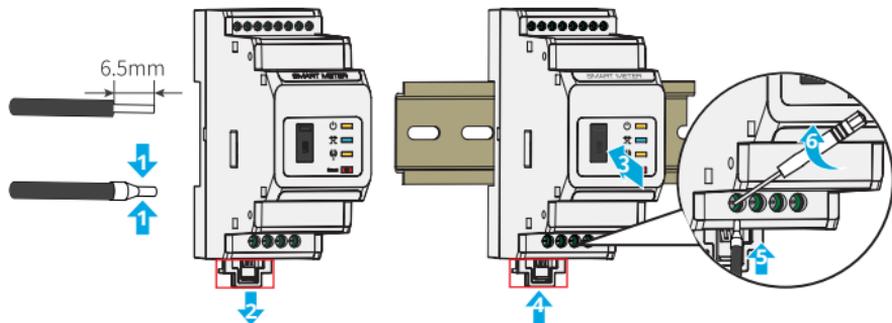
Packing List



[1]: For GM1000D and GM3000 only.

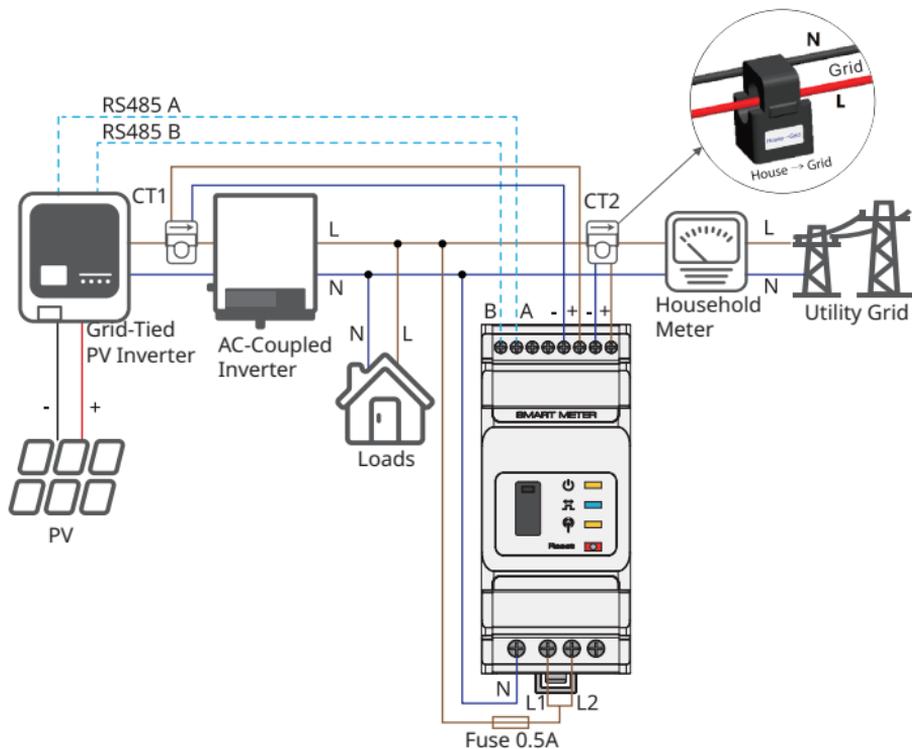
[2]: GM1000D x 8; GM1000 x 4; GM3000 x 6.

Installation and Cable Connection



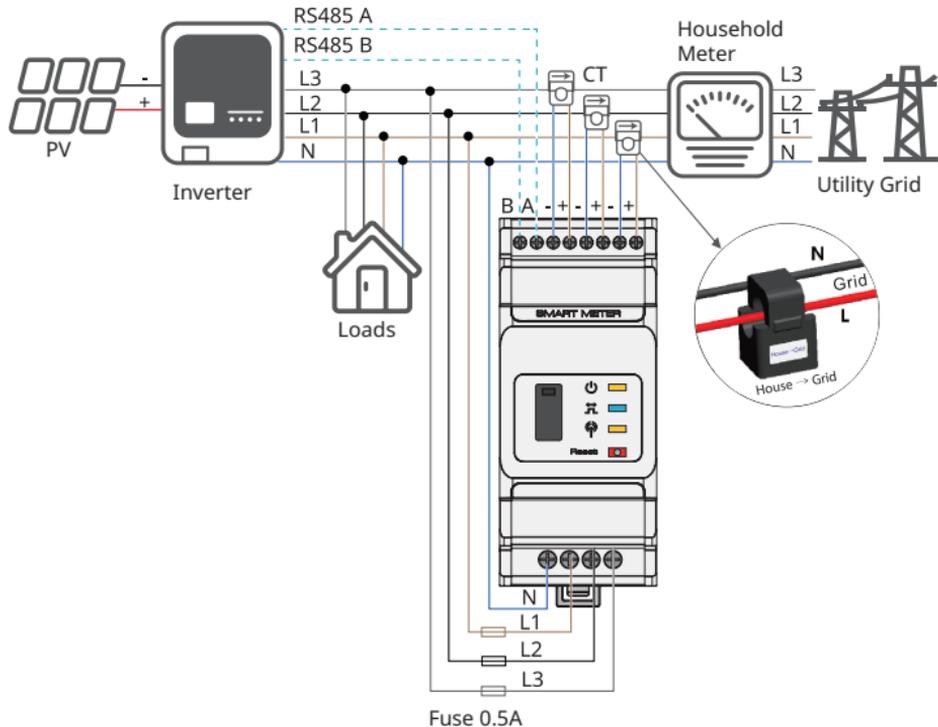
03 Wiring System

GM1000D



- Recommended cable connected to the voltage input terminal: 1mm² (17AWG).
- CT direction: House (K)-->Grid (L).

GM3000



- Recommended cable connected to the voltage input terminal: 1mm² (17AWG).
- CT direction: House (K)→Grid (L).

04 Commissioning

Power ON

Step 1 Connect the smart meter cables.

Step 2 Power on the inverter and make sure that the inverter is working normally. Then the smart meter is powered on.

Indicator

Type	Status	Description
	Steady on	Power on
	Off	Power off
	Steady on	Purchasing from the utility grid.
	Blinking	Selling to the utility grid.
	Blinking	The communication is normal.
	Blink 5	The meter is resetting

Reset Button

Press Time	Description
< 3s	Reset the smart meter.
5s	Restory factory settings.
>10s	Restory factory settings and clear the historical energy data.

05 Technical Parameters

Model		GM1000D	GM1000	GM3000
Application		Single-phase	Single-phase	Three-phase
Voltage	Nominal Voltage	110V/230V		3 x 230V/380V
	Voltage Range	100V~240V		
	Frequency	50Hz/60Hz		
Current Input	Nominal Current	CT in: 120A/40mA		
	Current Range	0.48A~120A		
Self-Consumption		<3W		
Data Detection		Current/Voltage/Active Power/Reactive Power/Power Factor/Frequency		
Energy Calculation		Active/Reactive Power Energy		
Precision	Voltage/Current	Class I		
	Active Power	Class I		
	Reactive Power	Class II		
Communication		RS485(Bund Rate 9600/Modbus Protocol/ Communication cable max.length 100m)		
Interface		3 LED (Power, Energy Consumption, Communication), USB port, Reset button		
Mechanical	Size (L x W x H mm)	36 x 85 x 66.5		
	Weight	360g	250g	450g
	Protection Class	IP20 (For indoor use)		
	Installation Method	Mounting rack		
Operating Temperature		-25 ~ +60° C		
Operating Humidity		<95%, No condensation		
Altitude		<2000m		

06 EU Declaration of Conformity

The module sold in the European market meets the following directives and requirements:

- Electromagnetic compatibility Directive 2014/30/EU (EMC)
- Electrical Apparatus Low Voltage Directive 2014/35/EU (LVD)
- Restrictions of Hazardous Substances Directive 2011/65/EU and (EU) 2015/863 (RoHS)
- Waste Electrical and Electronic Equipment 2012/19/EU
- Registration, Evaluation, Authorization and Restriction of Chemicals (EC) No 1907/2006 (REACH)

You can download the EU Declaration of Conformity on <https://en.goodwe.com>.



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Local Contacts