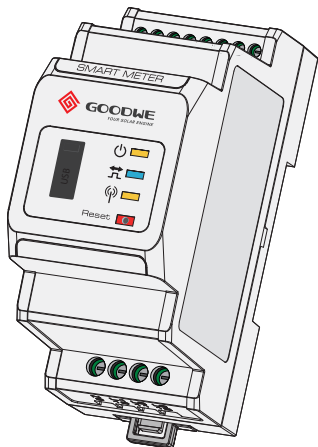


Smart Meter

USER MANUAL



GoodWe Technologies Co., Ltd.
 No.90 Zi Jin Road, SND, Jiangsu, China.
www.goodwe.com | service@goodwe.com

01 INTRODUCTION

GoodWe Smart Meter is designed with high precision small dimensions, convenient operation and installation.

It is available for split-phase grid system connection to detect voltage, current, power and energy, for working with inverters including SEMS systems for the purpose energy management.

Any fault or damage caused misoperation or disobey against the rules on manual is beyond GoodWe warranty cover range.

PACKING LIST

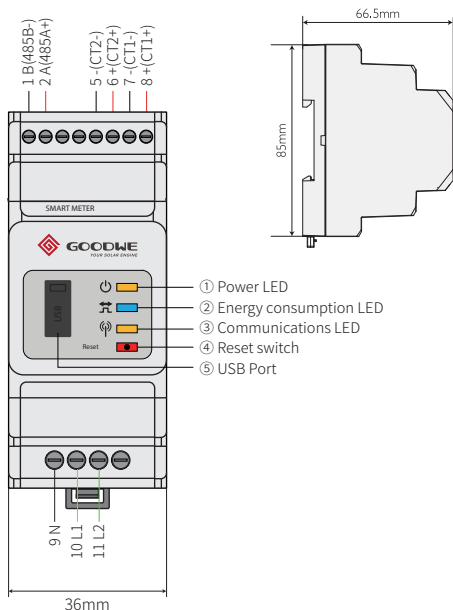
- 1* Smart Meter
- 1* Screw Driver
- 2* CT(Current Transformer)
- 8* Cable Connection Terminal
- 1* RJ45-to-Pin Cable^[1]

NOTE:

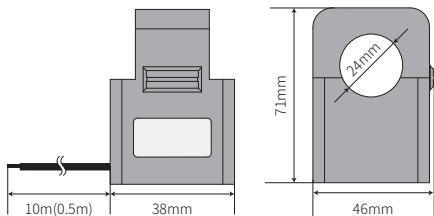
[1] Only suitable for RS485 cable connection on RJ45 port of GoodWe hybrid inverters.

02 OVERVIEW

2.1 SMART METER OVERVIEW



2.2 CT OVERVIEW



03 INSTALLATION INSTRUICTON

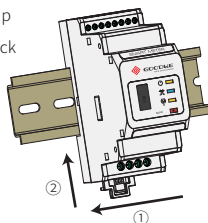
3.1 INSTALLATION ENVIROMENT

Protection Class: IP20(for indoor use)

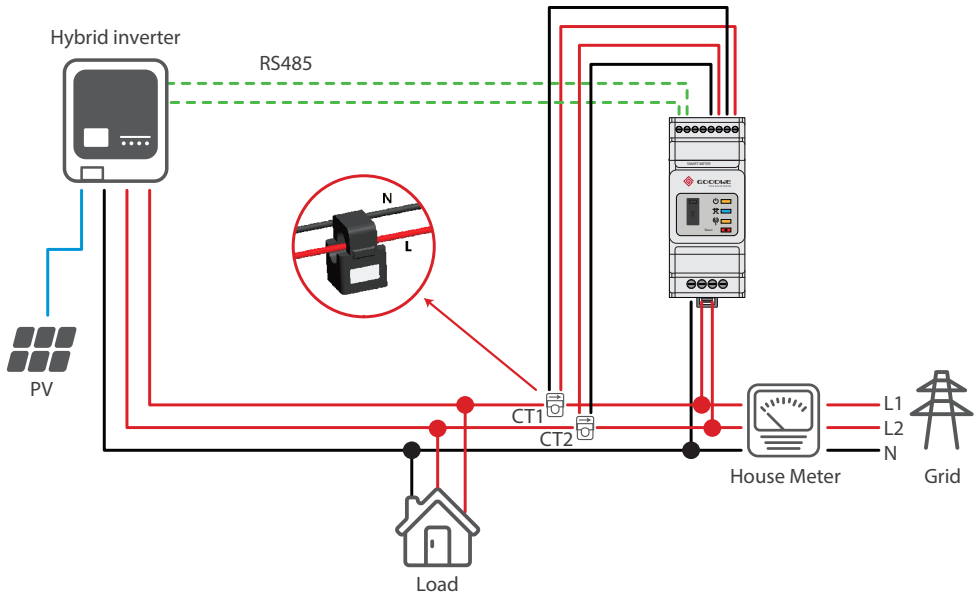
Operating Temperature: -30°C~60°C

3.2 INSTALLATION (WITH DIN TRACK)

- ① Pull to release the retaining clip
- ② Mount the HomeKit on the track and push the Retaining clip up(a click sound indicates it is installed well)



3.3 WIRING CONNECTION



Correct direction of CT: House → Grid.

⚠ Incorrect connection or direction will cause incorrect data.

04 ELECTRICAL DATA

MODEL		GM2000
APPLICATION		Split-phase
Voltage	Nominal Voltage	120Vac
	Voltage Range	100V ~ 240V
	Frequency	60Hz
Current Input	Nominal Current	CT in:200A/66.7mA
	Current Range	0.48A ~ 200A
Self-Consumption		3W max
Data Detection		Voltage / Current / Active Power / Reactive Power / Power Factor / Frequency
Energy Calculation		Active / Reactive Power Energy
Precision	Voltage/ Current	Class 0.5
	Active Power	Class 1
	Reactive Power	Class 2
Communication (With inverter)		RS485 (Bund Rate 9600 / ModBus Protocol / communication cable max. length 100m)

05 INTERFACE

5.1 INDICATIONS

- **Power LED:**
Normal status: ON
- **Energy Consumption LED:**
Consuming: ON
Generating: Blinking
- **Communicating LED:**
Transmitting data: ON
Resetting: Blink 5 times

5.2 RESET SWITCH

Press	Function
<3s	Meter reset
5s	Meter settings initialization
>10s	Meter initialize settings and clear energy data

5.3 USB PORT

For after-sales maintenance.

