01 INTRODUCTION

GoodWe Smart Meter is designed with high precision small dimensions, convenient operation and installation. It is available for both single-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 disobeyal against the rules on manual is beyond GoodWe warrenty cover range.

PACKING LIST

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

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

02 OVERVIEW

2.1 SMART METER OVERVIEW

36mm

3.1 INSTALLATION ENVIROMENT

Protection Class: IP20 (for indoor use)
Operating Temperature: -25℃~60℃

2.2 CT OVERVIEW

32mm 35mm

45mm

16mm

2M

03 INSTALLATION INSTRUCITON

3.1 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

AC coupled inverter

Grid-tie inverter

Correct direction of CT: House (K)→Grid(L).

Incorrect connection or direction will cause incorrect data.

04 ELECTRICAL DATA

<table>
<thead>
<tr>
<th>MODEL</th>
<th>GM1000D</th>
</tr>
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<tbody>
<tr>
<td>APPLICATION</td>
<td>Single-phase</td>
</tr>
</tbody>
</table>

**Voltage**

- Nominal Voltage: 230Vac
- Voltage Range: 160V ~ 280V
- Frequency: 50Hz/60Hz

**Current Input**

- Nominal Current: CT in:120A/40mA
- Current Range: 0.48A ~ 120A

**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 1
- 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

<table>
<thead>
<tr>
<th>Press</th>
<th>Function</th>
</tr>
</thead>
<tbody>
<tr>
<td>&lt;3s</td>
<td>Meter reset</td>
</tr>
<tr>
<td>5s</td>
<td>Meter settings initialization</td>
</tr>
<tr>
<td>&gt;10s</td>
<td>Meter initialize settings and clear energy data</td>
</tr>
</tbody>
</table>

5.3 USB PORT

For after-sales maintenance.