

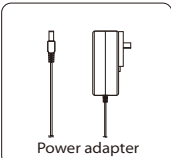
Installation Instruction

DataHub1000


I

Preparation

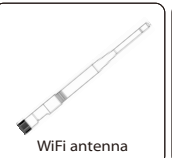
Packing List



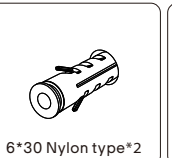
Power adapter



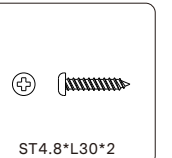
Installation instruction



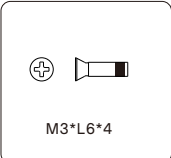
WiFi antenna



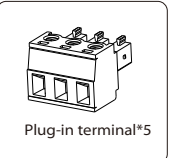
6*30 Nylon type*2



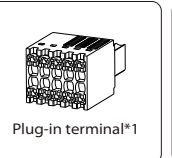
ST4.8*L30*2



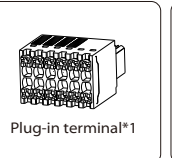
M3*L6*4



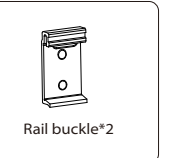
Plug-in terminal*5



Plug-in terminal*1



Plug-in terminal*1

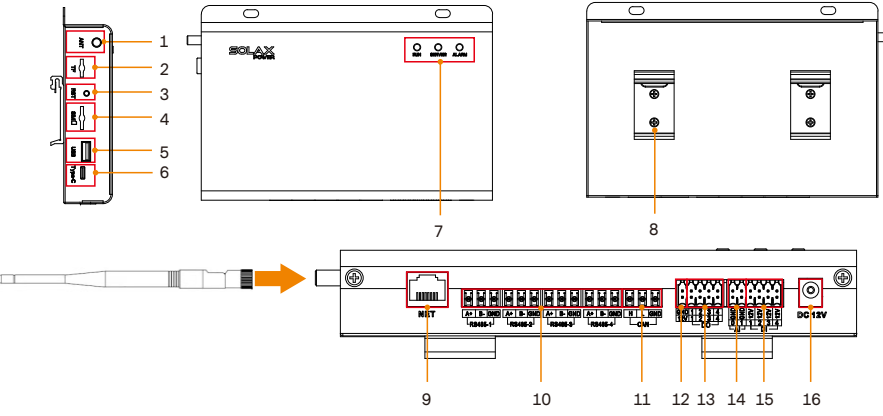


Rail buckle*2

| Line Type | Specification |
|-----------|---|
| RS485 | Cross-sectional area 0.2mm ² ~2.5mm ² (24AWG ~ 14AWG) dual-core or multi-core cables |
| DO/DI/AI | Cross-sectional area 0.2mm ² ~1.5mm ² or (24AWG ~ 16AWG) dual-core or multi-core cables |
| NET Cable | Cat 5e or higher standard network cable |

II

Product Introduction



(1) Antenna jack

(2) TF card socket (TF)

(3) RST button (RST)

(4) SIM card socket (SIM)

(5) USB socket (USB)

(6) TYPE-C socket

(7) LED indicator (RUN,SERVER,ALARM)

(8) Rail clip

(9) NET socket (NET)

(10) RS485 socket (RS485)

(11) CAN socket (CAN)

(12) 12V power output (12V/GND)

(13) DO socket (DO)

(14) AI socket (AI)

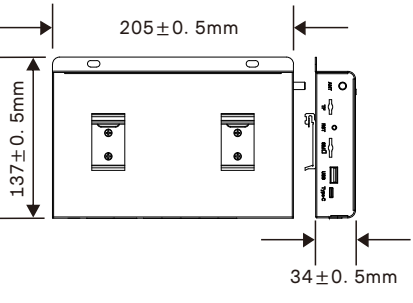
(15) DI socket (DI)

(16) 12V power input (DC12V)

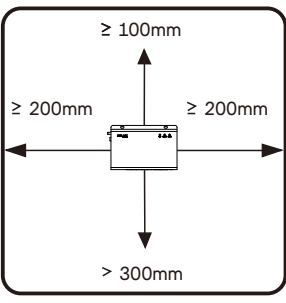
III

Installation Requirements

Size



Space



| Device parameters | |
|-----------------------------|--|
| Power Adapter | 100-240V 50/60HZ 1.5A AC input 12V 2A DC output |
| Ethernet | 10/100M |
| Wi-Fi Frequency Range | 2.4~2.5GHz |
| Wi-Fi EIRP Power | 17.5dBm |
| Dimensions | 205*124*33 mm |
| Weight | 440g |
| Degree of Protection | IP21 |
| Operating Temperature Range | -20°C~+60°C |

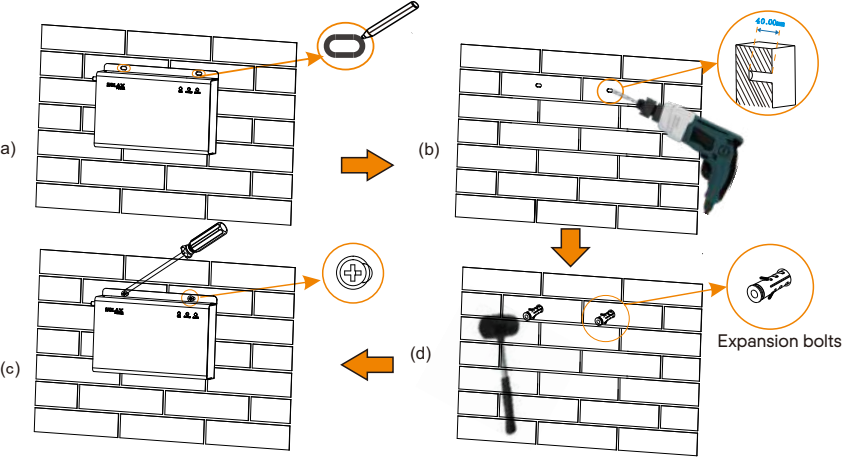
V

Indoor Wall Mounting

1. Choose a flat and solid indoor wall to drill for installation.

2. Hang the DataHub on the wall with the cable connection area facing down.

Note: The aperture is 6.0mm.



(a) Marking the mounting position

(b) Drilling the hole

(c) Inserting the expansion bolt

(d) Tightening the expansion bolt

Expansion bolts

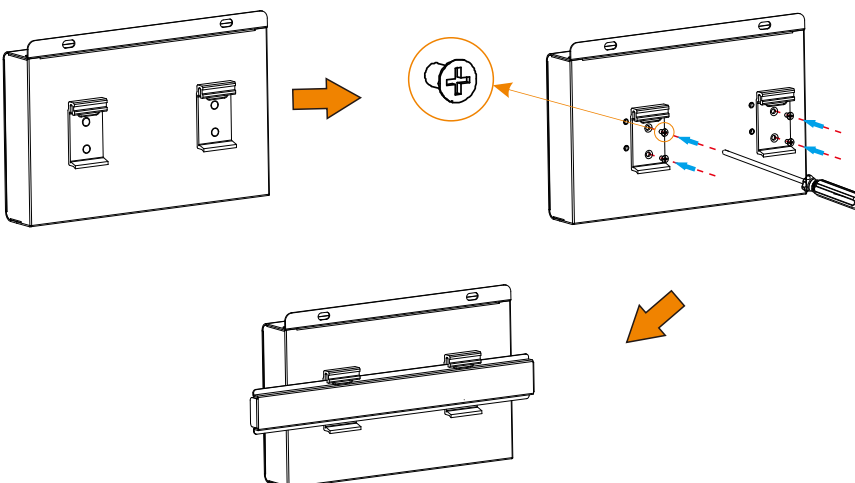
VI

Guide Rail Mounting

1. Use the four M3*L6 screws in the accessory bag to fix the buckle on the DataHub.

2. Please prepare 35mm standard rail (effective length ≥230mm) and install it firmly.

Note: The outdoor installation must be in a waterproof housing.

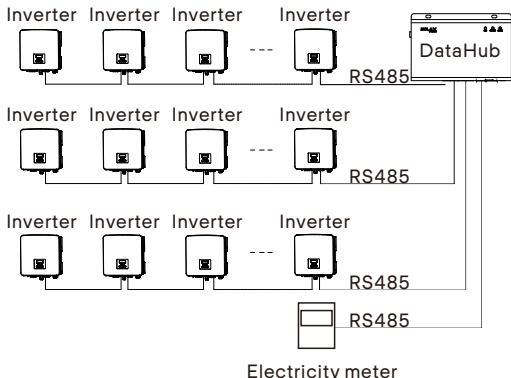


VII

Cascade Connection

1. It is recommended that the number of devices connected to each channel of RS485 is less than 20.

2. The baud rate, communication protocol and verification method of all devices on each RS485 cascade link must be consistent with the RS485 communication parameters of the corresponding COM port of DataHub.



Inverter Inverter Inverter Inverter

Inverter Inverter Inverter Inverter

Inverter Inverter Inverter Inverter

RS485

RS485

RS485

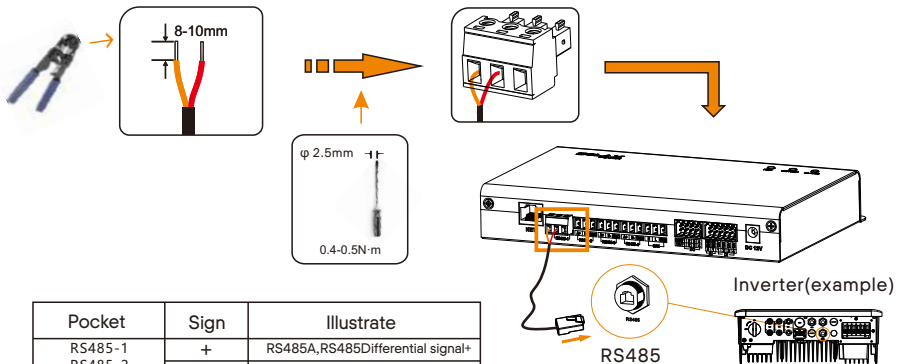
RS485

Electricity meter

VIII

Installation of the RS485

Ensure that RS485+ is connected to DataHub's RS485+, RS485- is connected to DataHub's RS485-, RS485 GND is connected to the GND of DataHub.



8-10mm

φ 2.5mm

0.4-0.5N·m

RS485

Inverter(example)

| Pocket | Sign | Illustrate |
|---------|------|----------------------------------|
| RS485-1 | + | RS485A,RS485Differential signal+ |
| RS485-2 | - | RS485B,RS485Differential signal- |
| RS485-3 | GND | Ground wire |
| RS485-4 | | |

IX

Installation of the DI Signal Cable

1. DataHub can access DI signals such as remote control and alarms through the DI port.

2. It is recommended that the signal transmission distance does not exceed 10m.

3.If the selected wire is flexible, press the white terminal adjacent to the wiring port to access.

terminal

12V

DI

8-10mm

Socket

Illustrate

DI1

DI2

DI3

DI4

Support passive dry

contact signal access

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