# AI Link
# A–1000

## Quick Installation Guide

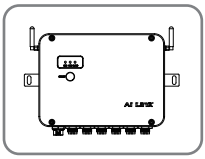
Version: V1.0.1
Date: 2026-11-04

FOXESS CO., LTD.

## Notice

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2. Only certified electricians are allowed to operate the device. Operation personnel must wear proper personal protective equipment (PPE).
3. Before installing the device, check that the package contents are intact and complete against the packing list. If any damage is found or any component is missing, contact your dealer.
4. The device damage caused by the violation of instructions in this document is not covered under warranty.
5. The cable colors involved in this document are for reference only. Select cables in accordance with local cable specifications.

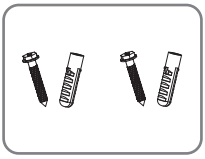
## 1 Packing List



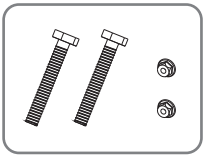
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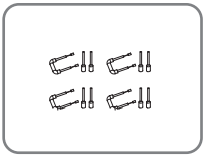

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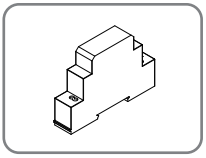
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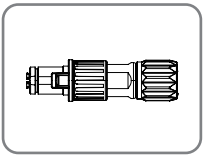
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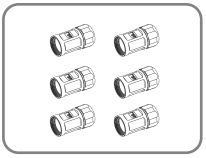
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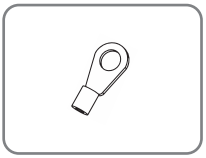
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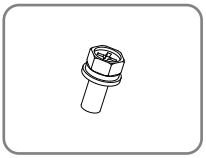
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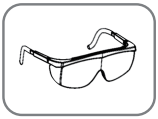
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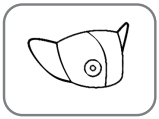


J

| OBJ | QTY | DESC | OBJ | QTY | DESC |
|---|---|---|---|---|---|
| A | 1 | AI Link | B | 1 | Quick Installation Guide |
| C | 2, 2 | Self-tapping Screw M6*40, Expansion Tube Φ8*40 | D | 2, 2 | Hexagon Bolt M6*45, Flange Nut M6 |
| E | 4 | Terminal Resistor | F | 1 | Adapter |
| G | 1 | DC Connector | H | 6 | RJ45 Connector Protector |
| I | 1 | OT Terminal | J | 1 | Screw M4*10 |

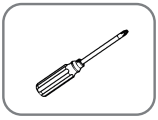
## 2 Required Tools

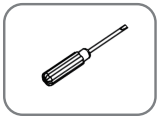

Safety Goggles

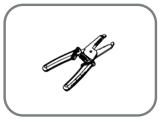

Dust Mask


Insulating Gloves


Tape

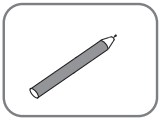

Phillips-Head Screwdriver

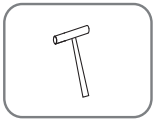

Flat-Head Screwdriver


Wire Stripper


Electric Drill


Adjustable Wrench

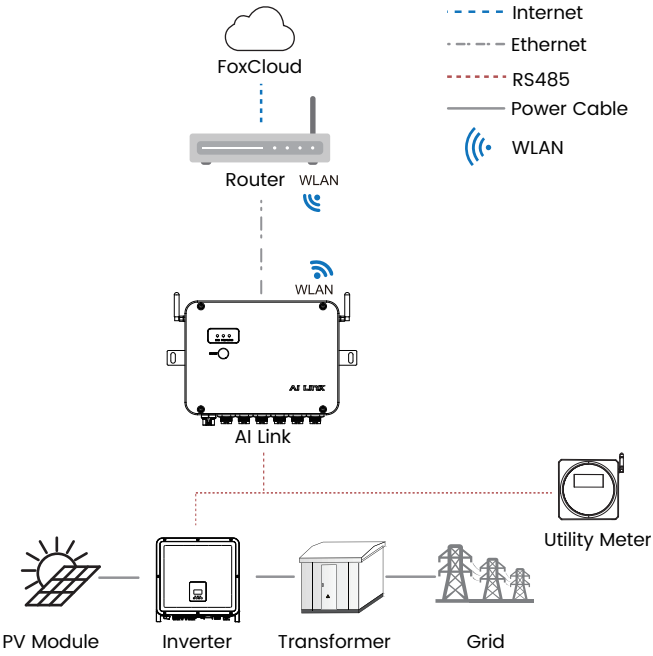

Marker


Rubber Mallet

DANGER:
1. Special care must be taken to protect personal safety.
2. PPE must be worn during transfer and installation.

WARNING:
Please use proper protective measures, such as foam or protective cloth, keep the AI Link well protected from hard objects that may damage their exterior appearance or body during handling and installation.

## 3 Application Scenario



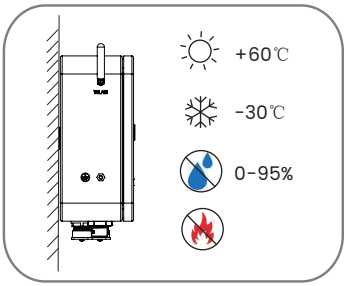

NOTICE

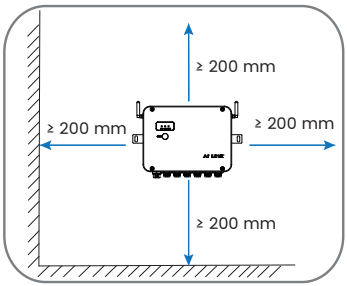
1. The AI Link can be connected to FoxCloud via Ethernet or WiFi.
2. The AI Link is compatible with various inverter models, including H3-Pro, P3-Pro, H3-Smart, P3-Smart, EVO, and P100. For details, please consult the manufacturer.

## 4 Installation & Connection

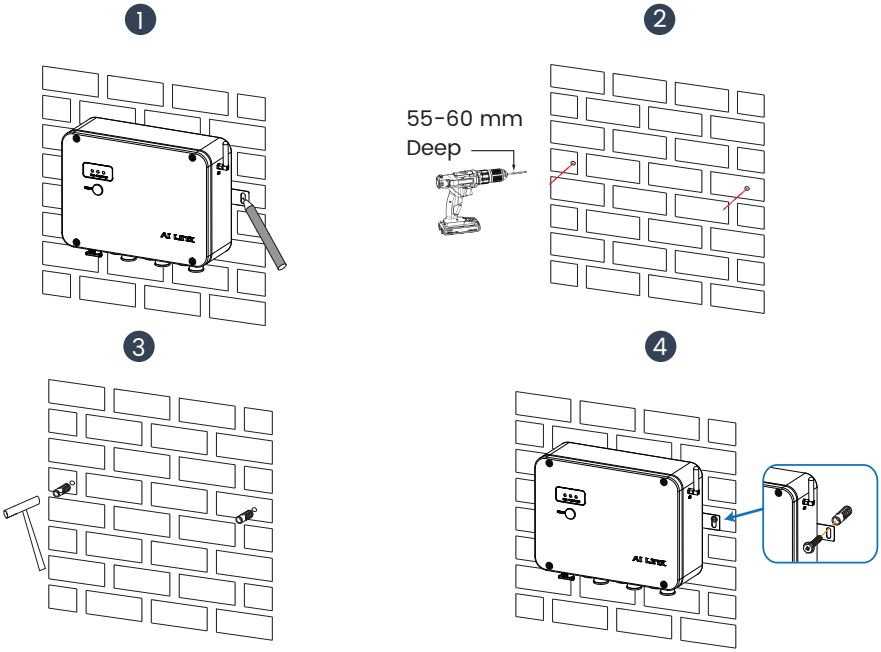
### 4.1 Mechanical Installation

#### 4.1.1 Installation Environment and Space



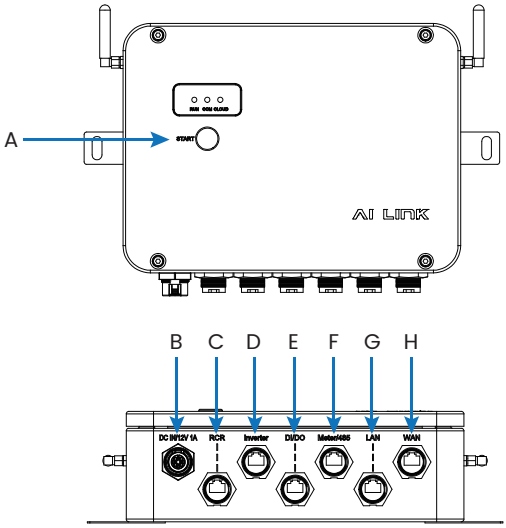



4.1.2 Wall-Mounting Installation




4.2 Electrical Connection

4.2.1 Switch, Terminal & Indicator Description



AI Link Switch & Terminal Description

| OBJ | LABEL | DESC |
|---|---|---|
| A | START | Start Button:<br>Short press 0.1–10 s to recognize the sub-devices.<br>Long press more than 10 s to restore factory settings |
| B | DC IN/12V 1A | DC Input Waterproof Terminal |
| C | RCR | Ripple Control Receiver Terminal |
| D | Inverter | Inverter Waterproof Terminal |
| E | DI/DO | DI/DO Waterproof Terminal |
| F | Meter/485 | Meter/485 Waterproof Terminal |
| G | LAN | Local Area Network Terminal |
| H | WAN | Wide Area Network Terminal |

AI Link Terminal Pin Description

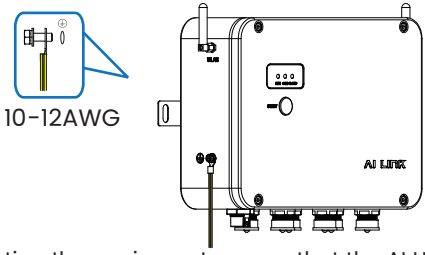
| CABLE PIN | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
|---|---|---|---|---|---|---|---|---|
| DC IN/12V 1A | DC IN+ | DC IN- | | | | | | |
| RCR | 1- | 1+ | 2+ | 3+ | 4+ | 5+ | 4- | 5- |
| Inverter | | | RS485-A2 | RS485-B2 | RS485-A2 | | GND | 12 V |
| DI/DO | 8- | 8+ | DO1 COM | DO2 NO | DO2 COM | DO1 NO | DO3 COM | DO3 NO |
| Meter/485 | RS485 - | RS485 - | RS485 - | RS485 - | RS485 - | RS485 - | | |

AI Link Indicator Description

| INDICATOR | STATUS | DESC |
|---|---|---|
| RUN (AI Link Operational Status) | Off | No Power Supply |
| | Steady On (Green) | Running Normally |
| | Slow Flash (Red) | Device Alarms |
| COM (Sub-device Communication Status) | Off | Sub-devices Communication Failure |
| | Steady On (Green) | Sub-devices Communication Normal |
| | Slow Flash (Green) | Part of the Sub-devices Communication Failure |
| CLOUD (Platform Communication Status) | Off | No WiFi/Ethernet or Fault |
| | Steady On (Green) | WiFi/Ethernet Running Normally |
| | Slow Flash (Green) | Connecting with WiFi/Ethernet |

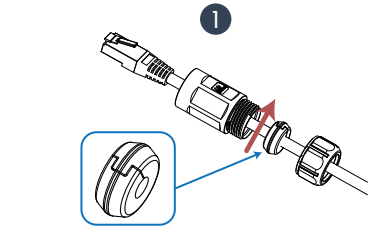
### 4.2.2 Device Connection

#### 4.2.2.1 Ground Wire Connection

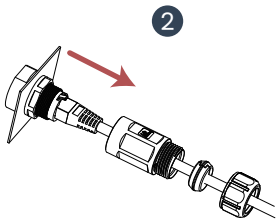



Before connecting the equipment, ensure that the AI LINK is securely grounded.

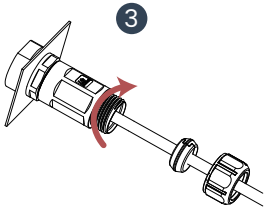
#### 4.2.2.2 Preparation for RJ45 Connector



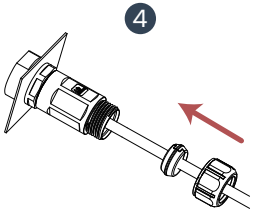

Thread the network cable sequentially through the locking nut, sealing plug, and main part. (Snap the sealing plug onto the cable through the side slot.)



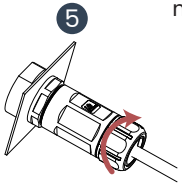

Insert the network cable plug into RJ45 connector




Use a spanner to lock the main part onto the RJ45 connector



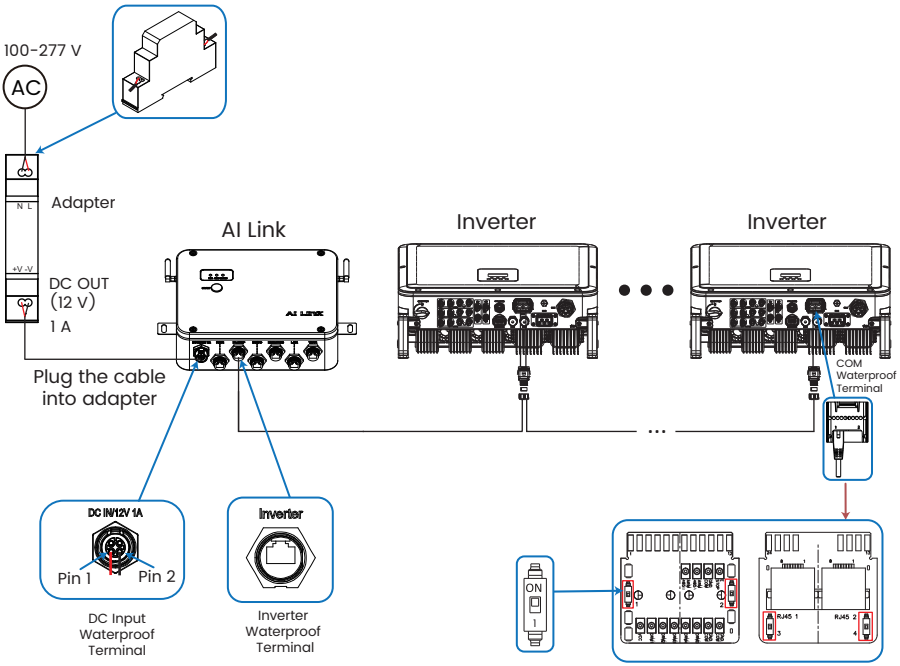

Install the sealing plug into the main part of RJ45 Connector




Use a spanner to lock the locking nut to the main part

### 4.2.2.3 Inverter Connection

Parallel H3-Pro Inverters




Push the 4 DIP switches (Which are on the inverter at the tail end.) to "ON" position.

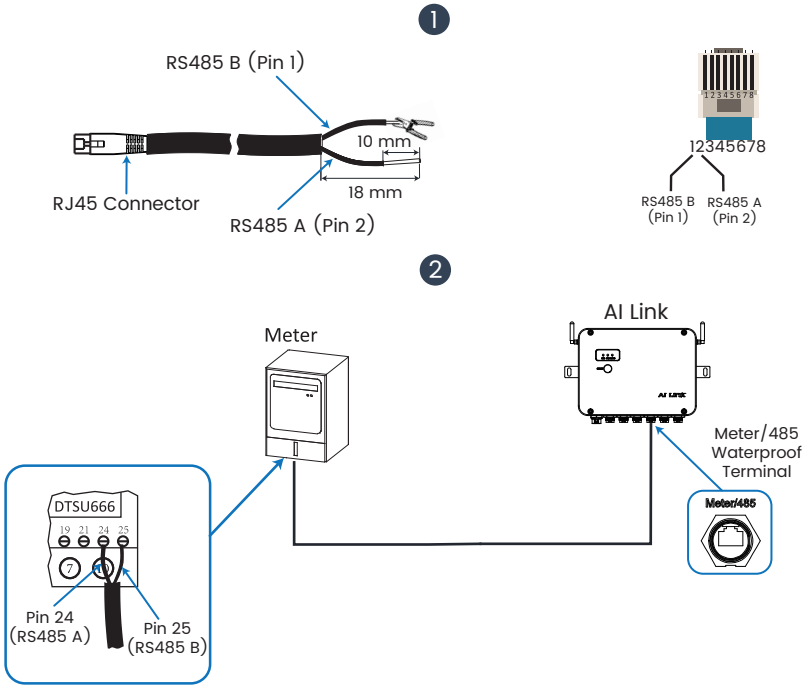
NOTICE

1. Please refer to the inverter's user manual for inverter's RS485 connection information.
2. In wiring H3-Pro inverters and AI Link, please push 4 white DIP switches on the inverter at the tail end to "ON" position (from down to up) by a suitable tweezer.

Other Application Scenarios : Parallel Other Inverters

For more wiring information between the AI Link and other inverters, please scan the QR code below to get the latest manual.

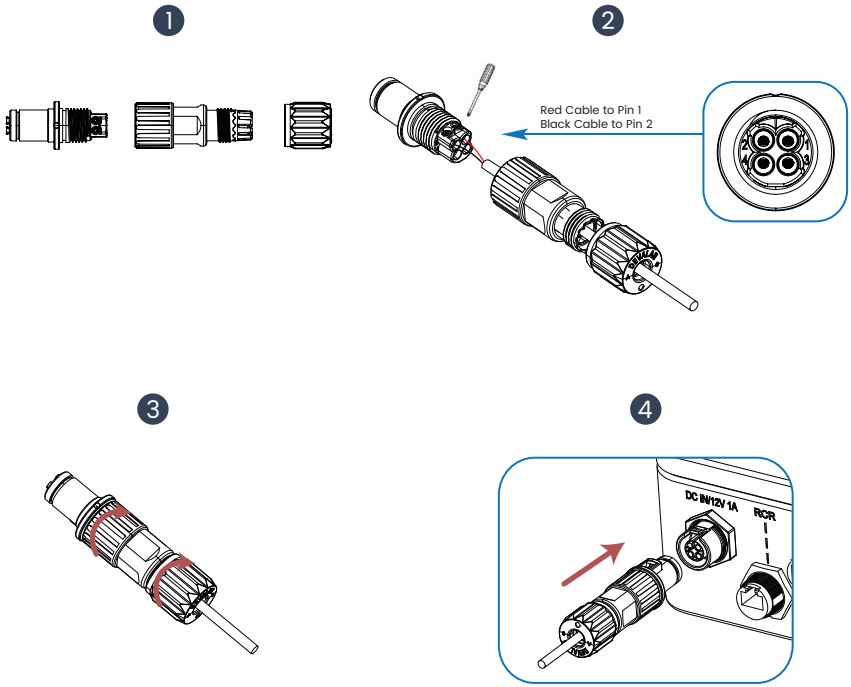
4.2.2.4 Meter Connection



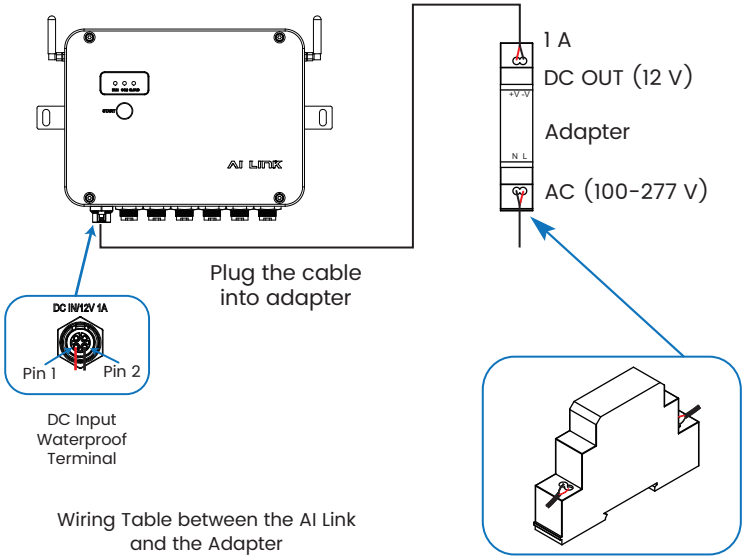
Wiring Table between the AI Link and the Meter

| | AI Link | Meter: CHINT DTSU666 1.5 (6)<br>Material Code：<br>30-803-00006-00 |
|---|---|---|
| RS485 A | Pin 2 (Meter/485, | Pin 24 |
| RS485 B | Pin 1 (Meter/485, RS485- | Pin 25 |

### 4.2.3 Power Supply

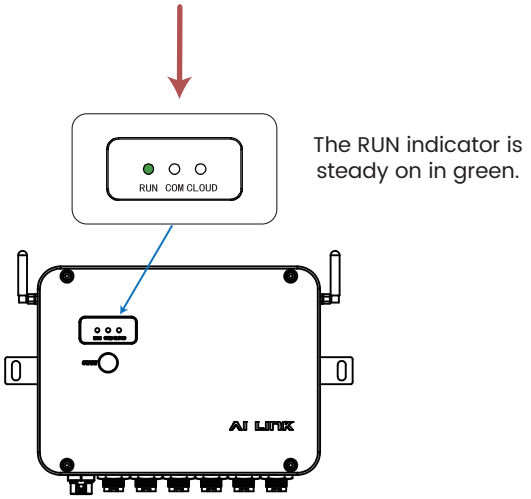


5




Wiring Table between the AI Link and the Adapter

| AI Link | Adapter |
|---|---|
| Pin 1 (DC IN/12V 1A, DC | +V |
| Pin 2 (DC IN/12V 1A, DC IN-) | -V |




The RUN indicator is steady on in green.

## 4.3 Internet Connection

| No. | Step | Notice |
|---|---|---|
| 1 | Turn on all the inverters. | |
| 2 | Power on the AI Link and short press the start button. | |
| 3 | Connect to the internet via the FoxCloud APP 2.0 or Ethernet (WAN). | Bluetooth ID: EMS-6XXXXXXXXXXXX |
| 4 | Create site via the FoxCloud APP 2.0. And check the communication status of each device. | If the settings are correct, AI Link's 3 indicators will be steady on in green. |

For More Information:

- Scan the QR code below to get the latest guidance of the FoxCloud APP 2.0.

- Scan the QR code below to get the latest manual for more wiring and local web interface configuration information.