KaiDeng WVC-Modem PV System Data Collector User Manual

KaiDeng WVC-Modem PV System Data Collector

Contents

Suitable for R3 version WVC series micro inverter

■ Support all wvc series micro inverter
■ Each Modem can monitor 46pcs micro inverters
■ Can be used by PC,mobile and PAD
■ 433MHz+Wifi double modules
■ Check the data by day,month or year
■ Dual antenna transceiver design
■ Support local interview and remate control
■ Choose APP or Web

Modem intelligent distribution network description (TCP/IP Mode)

Wi-Fi Modem appearance

Parameter	
Input Voltage range	automatic shift 120/ 230V
Input frequency range	50 / 60Hz
Max Output Power	10 Watt
G.W.	0.35KG
Size	160 x100 x32mm
Communication mode	433MHz+WIFI
Transmission distance	l000M(open range)
Waterproof	IP23

Running Mode

Modem indicator & button

Data Receiving (Blue)
Data Sending (Blue)
Network(Green)
Status (Green)
Power (Red)

Power
433MHz antenna
Reset
Wi-Fi antenna

Ready to work:

1. Install the "Mxeasylink" tool on the smartphone
2. A wireless router that can access the Internet normally

Download mxeasylink Apps

Please install the app in your smartphone (ios downloadpassword:mxchip)
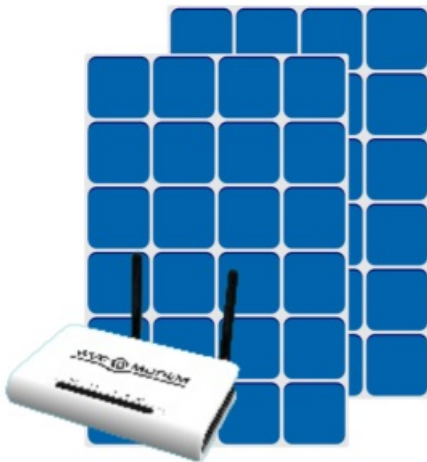

Android

ios

KD Montoring system

The KDM photovoltaic monitoring system supports the full range of WVC microinverters, which can realize real-time data visualization and historical data preservation and analysis. The KDM monitoring system analyzes the data in the MODEM, and through graphics and graphic display, users can understand the operation of the power station. At the same time, the KDM system provides full monitoring of the operation of the inverter, and users can monitor the operation, find and locate. Users can choose WEB or APP for system operation status query, data analysis and equipment management.
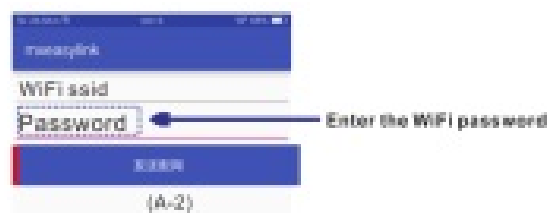
PC

Broser support :

APP

System support:

Intelligent Management

- Controlling my intelligent power station by multisystem anywhere and angtime
- One-click , power, power, efficiency, income query
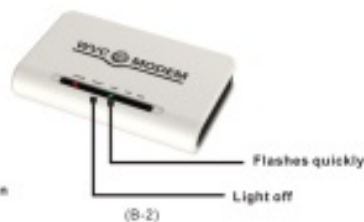- Multiple power stations, inverter centralized management mode

Distribution steps (Android)

1. Connect your mobile phone to wireless wifi, and open the "MXEASYLINK" client, the software will automatically recognize your current wireless signal source, you only need to enter the WiFi password, as shown in Figure A-1, A-2 ((When the phone cannot be automatically recognized, please enter the SSID manually)

2. Quickly press the reset button and release your hand. At this time, the "Reday" light is off, and the "Link" light will flash quickly, as shown in Figure B-1, B-2

3. Press "Send Network Configuration", the modem enters the network configuration state, the link indicator will change from fast flashing to slow flashing, as shown in Figure C-1 and C-2
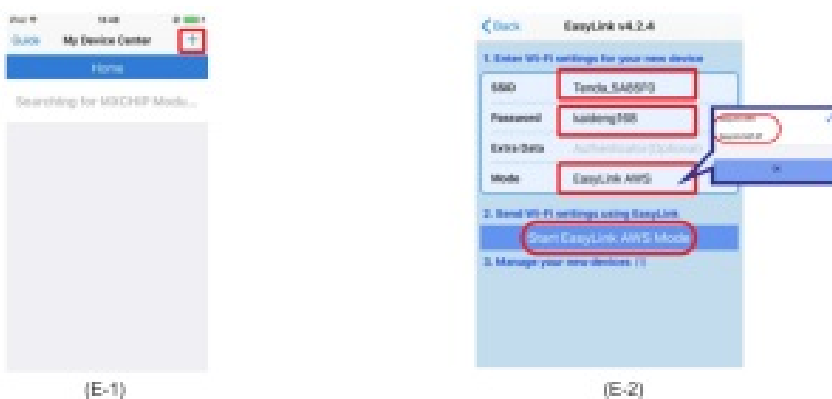
(C-1)

Flashes slow

(C-2)

4. After the network configuration is successful, the mobile phone network configuration software will display as shown in Figure D-1, and the Reday and Link indicators on the Modem will be on as shown in Figure D-2.

Data string

(D-1)

Long bright

Long bright
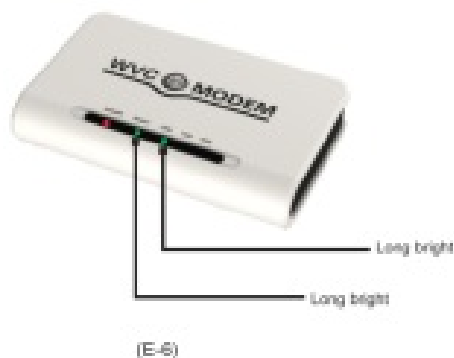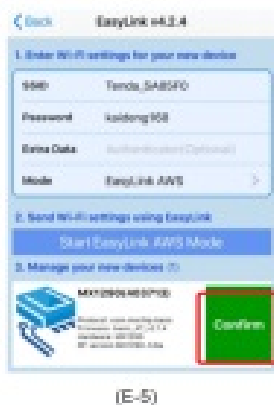
(D-2)

Distribution steps–iOS

1. Open the "MXEASYLINK" APP: click the"+" in the upper right corner of the interface, enter the network configuration interface (E-1), enter the WiFi name "SSID" and WiFi password "Password", and then select the mode as "easylinkAWS", As shown in Figure E-2. When the express flashing state of (E 4) appears, press the "Star EasylinkASW Mode" button.

(E-1)

(E-2)

2. Quickly press the reset button of the collector and release the hand. At this time, the "Reday" light is off, and the "Link" light will flash quickly, as shown in Figure E-3, E-4;

Press the reset button

(E-3)

Flashes quickly

Light off

(E-4)

3. When the network configuration is successful, the client terminal will display as shown in E-5. After clicking the "Confirm" button, the Reday and Link lights on the Modem will change to a steady state E-6

(E-5)

Long bright

Long bright

(E-6)

KDM Monitoring System

Ready to work:
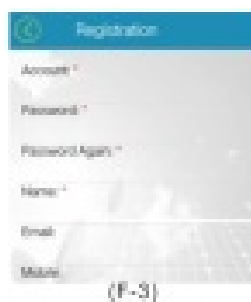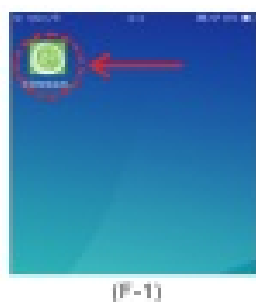Install the "KDM Monitoring System" tool on your Android Phone
Download: **http://jzi6.cn/MiTp6q** (You can scan the QR to Download)
Note: This application only supports Android. If you have an !phone, please operate in your browser and log in to the website: **kdm.kaidengdg.com**
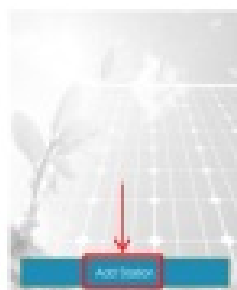

Create account

Open KDM software F-1, first use KDM monitoring system, please click Register F-2, register KDM account and save F-3
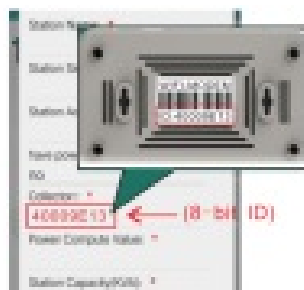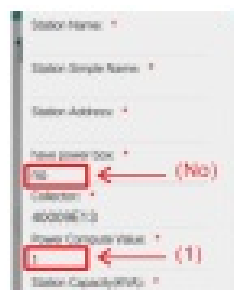

(F-1)

(F-2)

(F-3)

ADD Station

After logging account, click "Add Station" Like Figure G-1, fill in the Information and fill in the 8- digit code on the back of the Modem into the corresponding items. For example, G-2. For the electrical box option, please select "None", and fill in "1" "Figure G-3
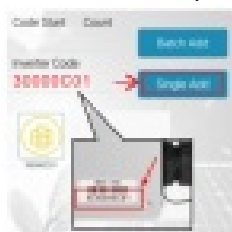
(G-1)

(G-2) [8-bit ID]
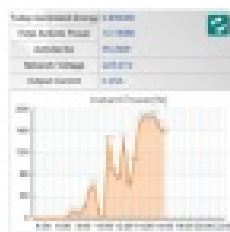

(G-3) (No) (1)

ADD Inverter

When the creation of the power station is completed, the page will automatically jump to the interface for adding an inverter (make sure the inverter has been installed correctly), fill in the 8-digit ID on the inverter and click Add such as H-1, after the addition is completed You can return to query the working status of the inverter H-2 and view the basic operating status of the power station H-3.
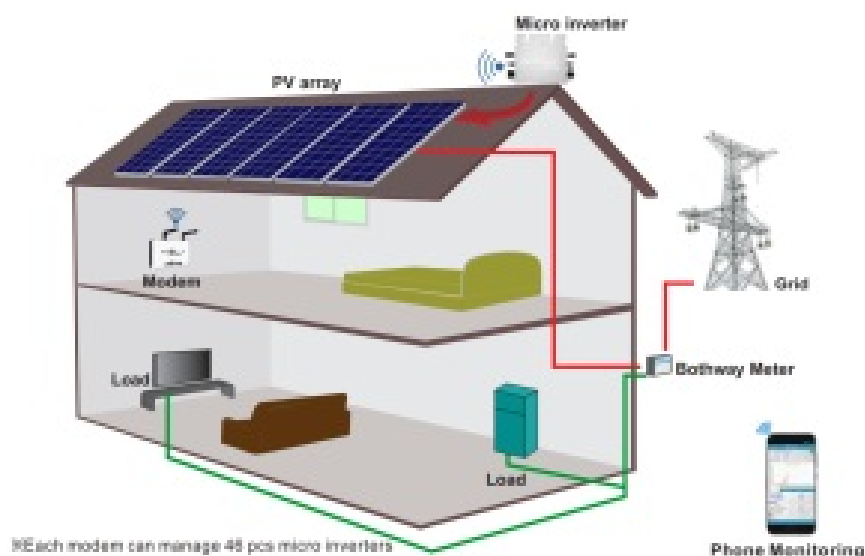

(H-1)

(H-2)

(H-3)

- The Wi-Fi modem changes its working mode (press and hold the reset button until the following display appears):

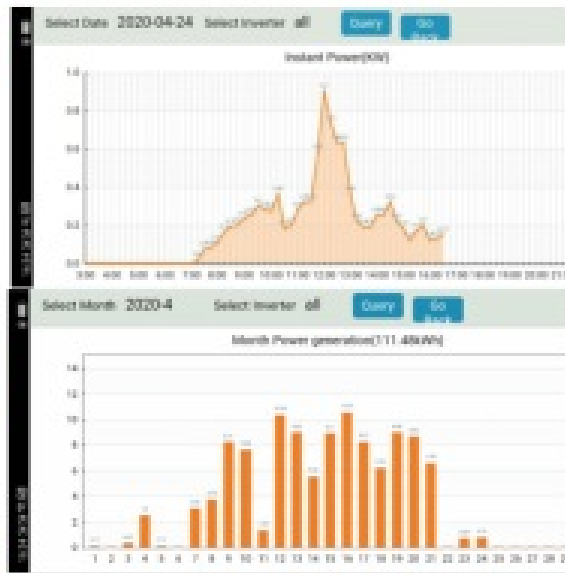 TCP/IP mode: Release the Re day indicator from "off-+on-+off";

  Internet ofThings mode: Release the Reday indicator from "off-on' ;

System communication transmission diagram

MODEM uses dual-mode communication mode to build data communication between the inverter and the cloud server. Users only need to install the KDM monitoring management program to easily realize remote power station management

Real-time monitoring data display

Documents / Resources

KaiDeng WVC-Modem PV System Data Collector [pdf] User Manual
WVC-Modem, PV System Data Collector, WVC-Modem PV System Data Collector, Data Collector