

User Manual

When displaying the TARIFF 1 , press and hold the [Set] button for 3 seconds to enter the rate setting.

Press [+] or [-] to select between TARIFF1 and Dual Tariff.

Press the [OK] key to confirm your choice and enter the next setting menu.

If your choice is single rate/tariff,

Press [+] or [-] to select the setting data.

Press the [History] key to switch between digit positions.

Press the [OK] key to confirm the current setting.

If your choice is dual rate/tariff,

Press [+] or [-] to select the setting data.

Press the [History] key to switch between digit positions.

Press the [OK] key to confirm the current setting and please refer to following example

{Example: Setting Double Rate}

Rate 1: 1.00 \$/KWh starting from 8:00;

Rate 2: 0.50 \$/KWh Starting from 23:00, then:

During 8: 00~23:00 at a unit price of \$1/Kwh.

During 23:00~8:00, at a unit price of \$0.5/Kwh.



Default value: 0.86 KgCO₂/KWh.

When the carbon emission unit is displayed, press and hold the [Set] button for 3 seconds to enter the carbon emission setting.

Press [+] or [-] to select the setting value.

Press the [History] key to switch between digit positions.

Press the [OK] key to save the current settings and exit.



4.Data Reset:

Press the [+] and [-] keys simultaneously for 3 seconds, and the display will flash,

Press the [Set] button again for 3 seconds to reset for factory setting and clear the data.

5.Technical parameters:

5.1 Display Range

Total power consumption time display range: 0 minutes, 0 seconds -9999 days

- Power display range: 0.000-9999W
- Voltage display range: 0.000-9999V
- Current display range: 0.000-9999A
- Power data display range: 0.000-9999KWh

5.2 Working conditions:

- Working voltage: 230VAC/50HZ
- Max current: 16A
- Max power: 3680W

5.3 Warning:

For indoor use only and keep out of water!

Do not exceed the max power!

General Description:

Plug the power meter into a household 230 VAC wall-outlet, and connect with appliances such as refrigerators, televisions, air conditioners, etc. or connect with microinverter Schuko plug into the power meter. The power meter displays parameters such as power (watts), electricity consumption (kilowatt hours), and electricity bill , and can visually display the electricity consumption/generation for the past 7 days, 7 weeks, and 7 months.

1.Real-Time Display

Press the [Energy] button repeatedly to display in sequence as following:



Power (W): Display real-time power.



AC Voltage(V)



Frequency(Hz)



Current(A)



Power factor: 1.00 means resistive load, < 1 means inductive load.



Maximum power: The maximum instantaneous power of overall connection.



Maximum current: The maximum instantaneous current of overall connection.



Overload alarm wattage: Defaults to 3680W. When the actual power exceeds this value, "Overload" flashes.

•How to DIY set the Overload alarm wattage?

When the overload alarm wattage is displayed, press and hold the [Energy] button for 3 seconds to set the overload alarm value.

Press the [+] or [-] keys to adjust the number.

Press the [History] key to switch between digit positions.

Press the [OK] key to confirm and exit the settings.

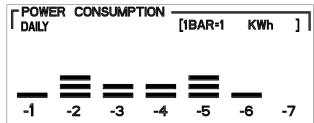
- Warning: For the purpose of safety, the Pre-set overload alarm wattage should be less than 3680W.

2. Historical display

Press the [History] button repeatedly to display the electricity chart for the past 7 days, past 7 weeks, and past 7 months.

- Chart is only giving a brief and rough data; For precise-data Please take further view
- When home applicant is connected to the Energy Meter, the data is showing the consumption data; When the output of microinverter connected to the energy meter, the data is showing the generation data

Chart View



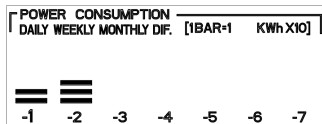
Power Data in the past 7 days

When in Daily Data Chart, 1BAR=1KWh indicates that 1st horizontal line represents 0.1~1.0KWh, and 2nd horizontal line represents 1.1~2.0KWh, etc...



Power Data in the past 7 weeks

When in Weekly Data Chart, 1BAR=3KWh represents 1st horizontal line representing 0.1~3KWh, and 2nd horizontal line represents 3.1-6.0KWh displays two horizontal lines, etc...



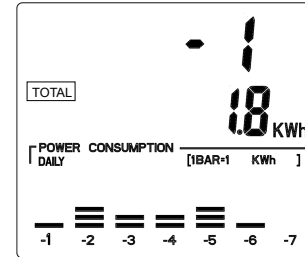
Power Data in the past 7 months

When in Monthly Data Chart, 1BAR=10KWh represents 1st horizontal line representing 0.1~10KWh, and 2nd horizontal line represents 10.1-20.0KWh displays two horizontal lines, etc...

#Precise View

Long press and hold the [History] button for 3 seconds to display the precise value

- Before Holding the [History] button for 3 seconds, check the display for Daily or Weekly or Monthly, When enter precise view, accordingly the data will be for Daily or Weekly or Monthly.



Press the [+] or [-] keys to view the precise value of total electricity consumption in the past 1-7 days/week/month.

3. Cost and time display

Press the [Cost] button repeatedly to display in sequence:

- Please refer to the second row on the display;



Clock: display the current time.

Press the [Set] button for 3 seconds to enter the clock setting.

Press the [+] or [-] keys to adjust the number.

Press the [History] key to switch between digit positions.

Press the [OK] key to complete the settings and exit.

Press the [History] and [Energy] buttons simultaneously for 3 seconds, and select the 12/24 hour display.



Total power time

Display the total operating time when the power of the connected electrical appliance is greater than 1W.

Note: In the first hour, the second row displays: first 2 numbers to be minutes and second 2 numbers to be seconds.

Afterwards, the second row displays: first 2 numbers to be hours and second 2 numbers to be minutes.



Total power data



Total cost/Income

Note: When the rate is equal to 0 or pending for preset, the data will not be included.



Rate display and settings

- This machine has two modes: single rate/tariff and double rate/tariff.