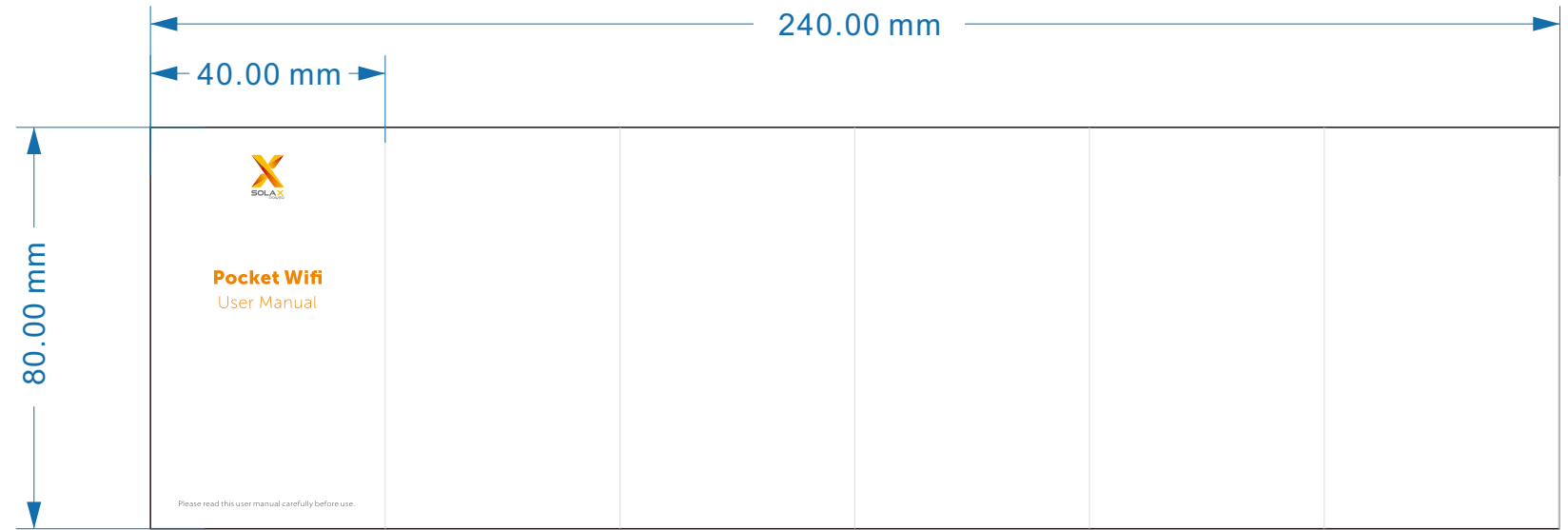
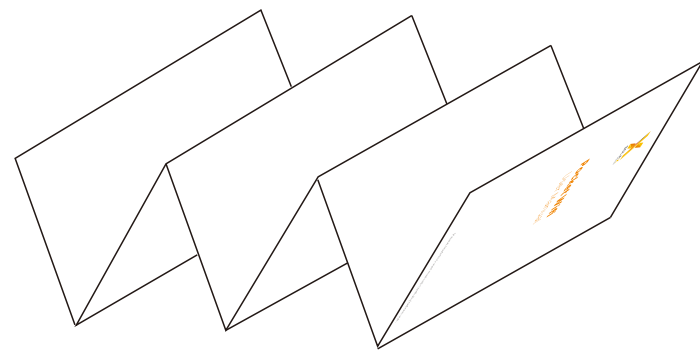



REV.	Description	REV.	Description
0.0	首次发行		
	王冲 2018/3/24		

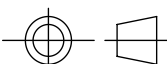


如图折叠出货



- 技术要求：
- 1.材质为80g铜版纸，所有页彩色打印，正反打印
  - 2.如图示折叠出货，要求折叠对齐，折痕平滑
  - 3.未注尺寸公差按  $\pm 1\text{mm}$
  - 4.图面、字体印刷清晰、无毛边、不起边、油墨不脱落
  - 5.字体颜色为PANTONE Black C，无边框，底色为白色
  - 6.符合RoHS要求

品名	SDM230M单相电表用户手册			 <b>浙江艾罗网络能源科技有限公司</b> SolaX Power Network Technology (Zhejiang) Co.,Ltd.
料号	614.00326.00			
单位	mm	页次		

品名	SDM230M单相电表用户手册		设计	王冲 2018/3/24	
			审核	朱娴红 2018/3/30	
材料	铜版纸		核准	朱娴红 2018/3/30	
料号	614.00326.00		 <b>浙江艾罗网络能源科技有限公司</b>		
单位	mm	页次			



# Energy Meter

SDM230

## User Manual

Please read this guide carefully before use.

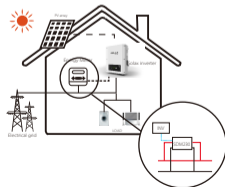
### 1 Notes and Safety



### 2 Installation

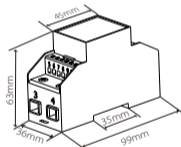
#### 1 Basic features

SDM230 Meter can achieve energy management together with solax single phase inverter. It applies to 100A system on below, measure the import, export and total power and energy.



01

### 2 Terminals and Dimension



1-4	Voltage acquisition port
5,6	RS485 port

02

### 3 Installation

#### 1 Mounting

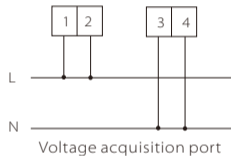
SDM230 meter is designed for indoor installation, it could be installed on the wall or other place indoor.



03

#### 2 Wiring diagram

cable size:  $\geq 10\text{AWG}$  or  $\leq 6\text{mm}^2$



04



www.solaxpower.com

614.00326.00

### ③ Wiring Connection

#### Step 1: RS485 terminal connection

- 1.Prepare one RJ45 connector and a communication cable.
- 2.Trip the insulation from the communication cable.
- 3.Insert the communication cable into the RJ45 connector following the PIN definition rule.



Pin	1	2	3	4	5	6	7	8
Meter	x	x	x	RS485 A (Blue)	RS485 B (White)	x	x	x

- 4.Crimp the RJ45 connector with the crimping plier.

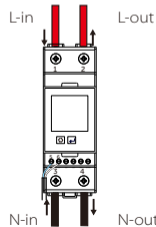
- 5.Insert the RJ45 connector into the RS485/Meter port of the inverter,and insert the other side into meter as below.

White line connect to port 5  
Blue line connect to port 6.



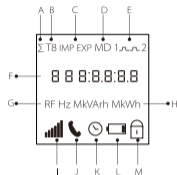
#### Step 2: Voltage wire connection

- 1.Insert the L wires to the 1-2 ports of the meter.
- 2.Insert the N wires to the 3-4 ports of the meter.



## LCD description

### ① LCD Display



Object	Description
A	Total value
B	Tariff information
C	Import information,Export information
D	Max.Demand for Power or Current
E	Pulse output 1 and Pulse output 2
F	7 digits used to display measured values
G	RF=power factor Hz=frequency
H	Measurement units
I	Bar display of Power
J	Communication indicator

### ② Initialization Display



### ③ Scroll display



Baud rate



Total active energy



Export(output) active energy



Voltage



Current

### ④ Set-up

To get into Set-up screen,the user should press the "Enter"button for 3 seconds.



Password  
Default password:1000



The setting is done correctly.

## Warranty Regulation

### Terms and conditions

SolaX grants a warranty of 12 months as standard. Starting from the date of the purchase invoice marked. SolaX will only perform warranty service when the faulty unit is returned to SolaX together with a copy of invoice and warranty card which were issued by the dealer and manufacturer to the users. In addition,the type label of the unit must be fully legible. If these requirements are notfulfille SolaX reserves the right for all warranty terms and conditions.

### Exclusion of liability

- Warranty claims are excluded for direct or indirect damage due to:
- 1: Use of unit in ways not intended, improper installation and installation thatdoes not comply with standards, improper operation and unauthorized modification to the units or repair attempt.
  - 2: Without warranty card and serial number.
  - 3: Operating the units with defective protective equipment.
  - 4: Influence of oegin objects and force majeure.
  - 5: Inadequate ventilation.
  - 6: Violate relevant safety regulations.

To register your SolaX product, please mail this warranty card to:

ADD: Room 220, West Building A Sci. and Tech Park of Zhejiang University No.525, Xixi Road, Hangzhou Zhejiang Province, China 310007

Tel: +86 571 56260011 Fax: +86 571 56075753

Email: [service@solaxpower.com](mailto:service@solaxpower.com)

Web: <http://www.solaxpower.com/>

Online warranty registration is available at <http://www.solaxpower.com/en/warranty-registration/>

## Warranty Registration Form

Name .....

Country .....

Phone Number .....

Zip Code .....

Email .....

Address .....

Product Serial Number .....

Date of Commissioning .....

Installation Company Name .....

Date of Delivery .....

Signature .....