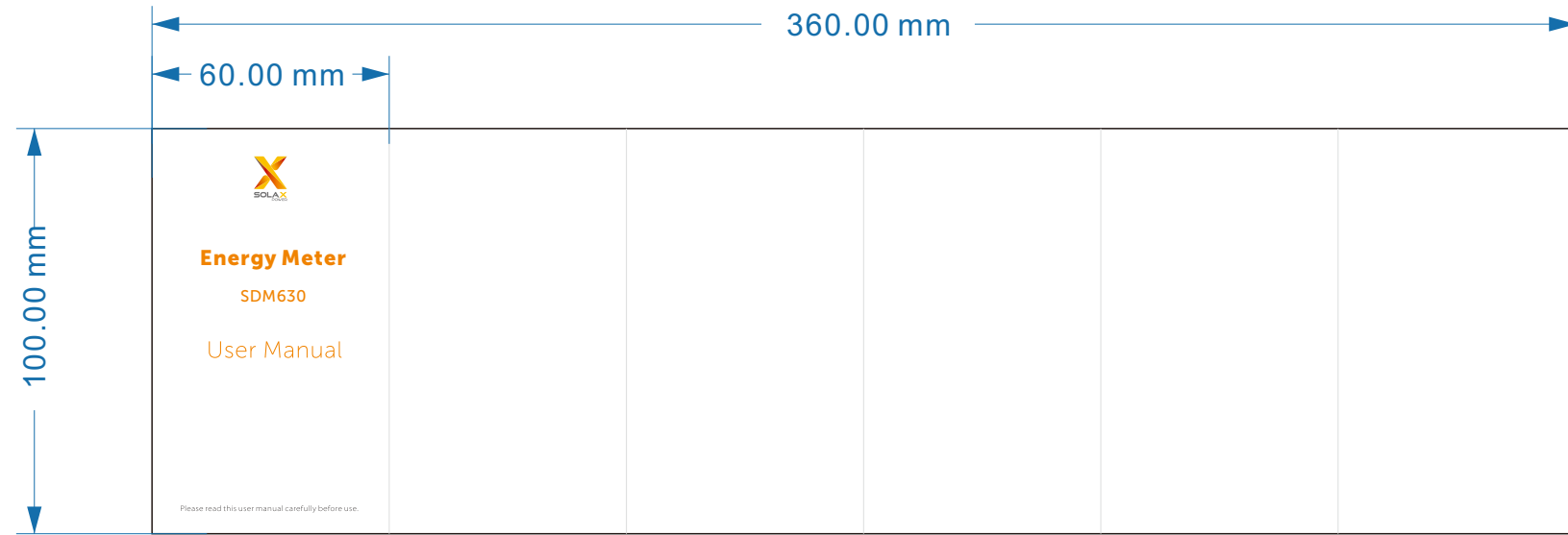
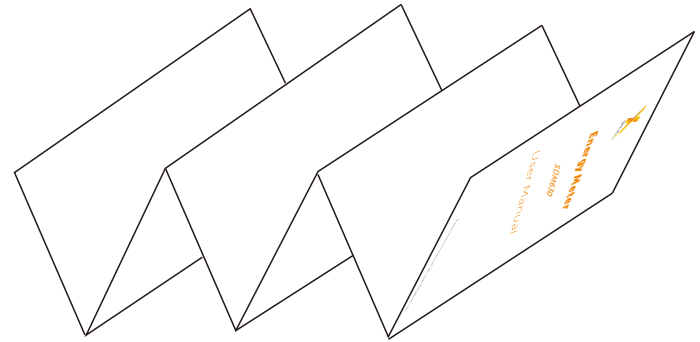


REV.	Description	REV.	Description
0.0	首次发行 王冲 2018/3/15		
0.1	线接线错误和描述错误修正 李京珂 2019/7/4		



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	SDM630M三相电表用户手册	设计	王冲 2018/3/15
		审核	朱娴红 2018/3/15
材料	铜版纸	核准	朱娴红 2018/3/15
料号	614.00317.01	浙江艾罗网络能源科技有限公司	
单位	mm 页次		

品名	SDM630M三相电表用户手册			浙江艾罗网络能源科技有限公司 SolaX Power Network Technology (Zhe jiang) Co.,Ltd.
料号	614.00317.01			
单位	mm	页次		



# Energy Meter

## SDM630

### User Manual

Please read this manual carefully before use.

#### Notes and Safety



Cut off all power of inverter before installation!  
Wait for 5 minutes after power off.

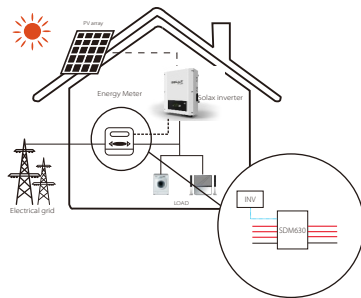


Danger of high voltage!  
Danger to life due to high voltage of this machine!

#### Introduction

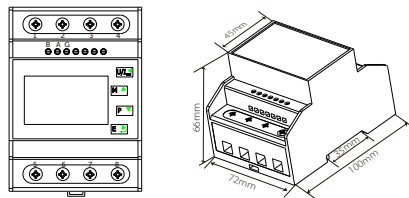
##### ① Basic features

SDM630 Meter can achieve energy management together with solax three phase inverter. It applies to 100A system on below, measure the import, export and total power and energy.



01

#### ② Terminals and Dimension



1-8	Voltage acquisition port
B A G	RS485 port



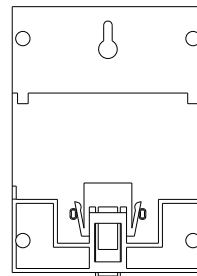
Only authorized personnel is allowed to set the connection.

02

#### Installation

##### ① Mounting

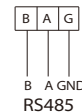
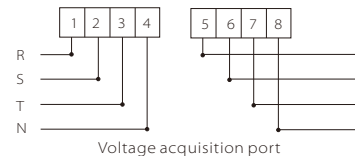
SDM630 meter is designed for indoor installation. It could be installed on the wall or other place indoor.



03

##### ② Wiring diagram

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



04

### ③ Wiring Connection

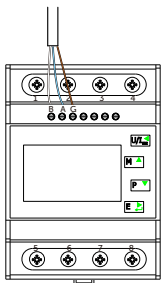
#### Step 1: RS485 terminal connection

- 1.Prepare a communication cable.
- 2.Trip the insulation from the communication cable.
- 3.Connect the meter communication cable and inverter with reference to the inverter manual.
- 4.Connect the other end of the communication cable to the meter. See the figure below for the connection.

**Please note that the same color communication cable is used for the same communication port identifier between the inverter and the meter.**

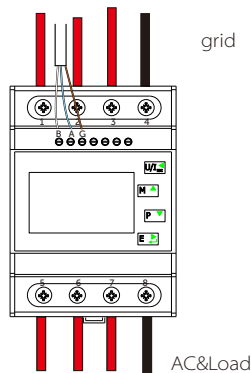
PS: Ground wire is optional.

The color of the communication cable in the figure is for reference only. Please refer to the actual situation for the specific connection.



#### Step 2: Voltage wire connection

- 1.Connect the 1/2/3/4 port of the meter to the grid terminal.
- 2.Connect the 5/6/7/8 port of the meter to the load terminal.



### LCD description

#### ① Voltage and Current

U/I *1'		Phase to neutral voltages.
U/I *2'		Current on each phase.
U/I *3'		Phase to neutral voltages.
U/I *4'		Phase to neutral voltages.

#### ② Frequency and Power Factor and Demand

M *1'		Frequency and Power Factor(total).
M *2'		Power Factor of each phase.
M *3'		Maximum power demand.
M *4'		Maximum current demand.

### ③ Power

P *1'		Instantaneous active power in KW.
P *2'		Instantaneous reactive power in KVA.
P *3'		Instantaneous volt-amps in KVA.
P *4'		Total kW,KVAh,KVA.

### ④ Energy

E *1'		Import active energy in KWh.
E *2'		Export active energy in KWh.
E *3'		Import reactive energy in KVAh.
E *4'		Export reactive energy in KVAh.
E *5'		Total active energy in KWh.

### 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 not fulfilled, 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 that does 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 foreign 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 .....