Notes and Safety

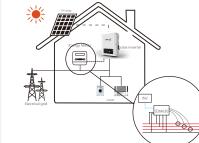
Cut off all power of inverter before installation! \mathbb{A} Wait for 5 minutes after power off.

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

Basic features

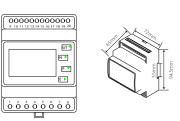
SDM630MCT Meter configured with 3 matched CTs can achieve energy management together with solax three phase inverter (CTs don't in the package, need purchase separately).

It applies to 200A system on below, measure the import, export and total power and energy.



01

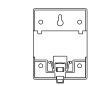
2 Terminals and Dimension



- 1-4 measured voltage 5-6 power supply 7-12 NULL 13-14 RS485 port 15-20 CT
- Only authorized personnel is allowed to set \mathbb{A} the connection.

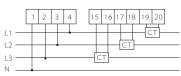
① Mounting

SDM630MCT meter is designed for indoor installation . You can fix it on the wall.



2 Wiring diagram





03



AUX supply

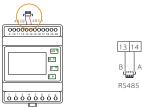
③ Wiring Connection

13 14

÷ RS485

Step 1: RS485 terminal connection

Insert the wire into the 13,14 ports of Meter, and insert the other side of the wire into the green terminal block which is in the hybrid package, then insert the block into the inverter.



www.solaxpower.com

Please read this user manual carefully before use.

SOLAX

Energy Meter

SDM630MCT

User Manual

02

04

Step 2: Current wire connection

Step 4: Voltage wire connection

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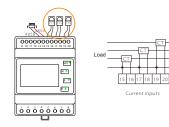
CE -REE

long press E > to confirm.

screen

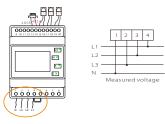
CT Ratio

Insert the wire of the CT to the15-20 ports of Meter, then connect the buckle of CT to the grid .





Make wire, insert the wire into the 1-4 ports of Meter, and insert the other side of the wire into the grid following.



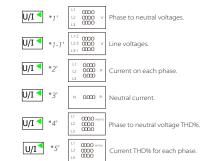
Make wire, insert the wire into the 5-6 ports of Meter, and insert the other side of the wire into the 1,4 ports.

1 4 5 6

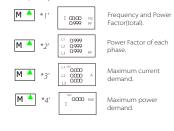
power supply

screen.





2 Frequency and Power Factor and Demand



3 Power			1
₽ ▼ *1′	L1 0000 L2 0000 KW L3 0000	Instantaneous active power in KW.	
P ▼ *2′	L1 0000 L2 0000 KWAr L3 0000	Instantaneous reactive power in KVAr.	
₽ ▼ *3′	L1 0000 L2 0000 KVA L3 0000	Instantaneous volt-amps in KVA.	
₽ ▼ *4′	Σ 0000 KW Σ 0000 KVAr 0000 KVA	Total kW,kVAr,kVA.	
④ Energy			
E ▶ *1'	Σ 0000 0314	Total active energy in KWh.	
E ► *2'	Σ 0000 KVArh 0000	Total reactive energy in KVarh.	
E ▶ *3′	0000 KWh	Import active energy in KWh.	
E ► *4′	60000 KWh 0000 0000	Export active energy in KWh.	
E ▶ *5′	MPORT 0000 KVArh 0000	Import reactive energy in KWArh.	
E ▶ *6'	DIFORT 0000 KWArth 000.0	Export reactive energy in KWArh.	
E ► *7'	rSt KWh Σ 0000 031.4	Total active energy in Kwh. (Initializable)	
E ▶ *8'	Σ 0000 KVArh 0000	Total reactive energy in Kvarh. (Initializable)	

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 epair attempt.
2: Without warranty card and serial number.
3: Operating the units with defective protective equipment.
4: Influence of oeign 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

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

09

Warranty Registration Form

Name		Country	
Phone	Number	Zip Code	
Email			
Addres	s		
Produc	t Serial Number		
Date of	Commissioning		
Installa	tion Company Nam	e	
Date o	f Delivery		
Signati	ure		

05

06

The default setting for the current transformer is

buttons select the CT option to

200/5A.To set a new CT ratio,using M 🔺 and P 🔻

Long press **E** to enter the CT secondary current

selection routine(5A/1A)using M A P V buttons,

then long press **E** ► to confirm. Press **P** ▼ to this

, The range is from 0001 to 9999, then

10