SOLAX

Energy Meter

SDM630MCT

User Manual

Please read this user manual carefully before use.



Cut off all power of inverter before installation!

Danger to life due to high voltage of this machine!

Notes and Safety

1 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





③ Performance and Specification

Phase to Neutral Voltage	100 to 289V
Voltage Between Phases	173 to 500V
Current	5(6)A
Туре	Via transformer

02

Mounting

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



2 Wiring diagram







RS485

③ Wiring Connection

3 14

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.



04

5 6 7 8

AUX supply

Please refer to the marks on CT carefully.

Step 2: Current wire connection

Step 3: Voltage wire connection

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

Insert the wire (S1andS2) of the CT to the15-20 ports of

Meter, then connect the buckle of CT to the grid .



05

13 14

RS485



Three phase four wires

06

Step 4: Voltage wire connection

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.



T Ratio

To set CT ratio, use M and P buttons and select the CT option to Step = 3 screen. Long press E to enter the CT secondary current selection routine(5A/1A)using M P, then long press E to confirm. Press P to C to C



07

Description of LCD Display

Oltage and Current



2 Frequency and Power Factor and Demand



3 Power ΡV 1 0.000 2 0.000 2 0.000 Instantaneous active power in KW. **P** ▼ *2′ 1 0.000 2 0.000 KM 2 0.000 Instantaneous reactive power in KVAr. P 📕 *3' 1 0.000 Instantaneous 2 0.000 volt-amps in KVA. 0.000 0.000 KW 2 0.000 KWAr 0.000 KWAr **P ▼** *4′ Total kW.kVAr.kVA. ④ Energy E 🕨 Total active energy 0000 031.4 in KWh E 🕨 Total reactive energy 0000 10 * 2' in KVarh 00.00 IMPORT E 🕨 Import active energy 0000 in KWh 0.314 **E** ► *4' Export active energy 0000 in KWh Import reactive energy E 🕨 0000 K 000.0 *51 in KWArh **E ▶** *6′ Export reactive energy **0000** K in KWArh. 000.0 -St KW Σ 0000 031.4 **E ▶** *7′ Total active energy in Kwh. (Initializable) -55 E 🕨 Total reactive energy ε 0000 № 00.00 *8' in Kvarh. (Initializable)

09

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: SolaX Power Network Technology (Zhejiang) Co., Ltd. ADD. No.288 shizhu Road, Tonglu Economic Zone, Tonglu City, Zhejiang Province, China. Tel. +86 571 5607573 EMAIL service@solaxpower.com WEB 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				
Addres	s			
Produc	t Serial Nu	mber		
Date of	^f Commissi	ioning		
Installa	tion Comp	any Name		
Date o	f Delivery			
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