

Energy Meter

DTSU666

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.

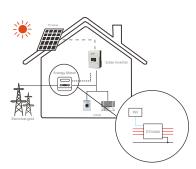


Danger of high voltage! Danger to life due to high voltage of this machine!

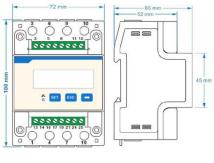
Introducti

(1) Basic features

DTSU666 Meter can achieve energy management together with solax three phase inverter.It applies to 80A system on below, measure the import, export and total power and energy.



2 Terminals and Dimension



1,3,4,6,7,9,10	Three phase input por
24,25	RS485 port



3 Performance and Specification

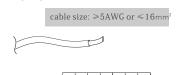
Model	Voltage	Current	Туре
DTSU666	3×220/380V3×240/415V	0.25-5(80)A	Direct connect

Installation

Mounting

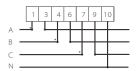
DTSU666 meter is designed for indoor installation ,lt could be installated on the wall or other place indoor.

②Wiring diagram





Three phase three wire: direct connect



Three phase four wire: direct connect

Communication cable size: 17~23AWG or 0.25~1mm



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.

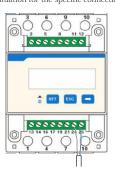
4.Connect the other end of the communication cable to the port 24 and 25 of meter. See the figure

below for the connection.

Please note that the same color communication cable is used for the same communication port

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

identifier between the inverter and the meter.



01

02

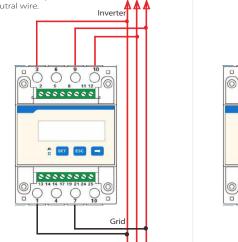
03

04

05

Step 2: Voltage wire connection

- 1.Connect the port 1/4/7 of the meter to the grid terminal. 2.Connect the port 3/6/9 of the meter to the
- load terminal.
- 3.Connect the port 10 of the meter to the neutral wire.



Three phase three wire: direct connect

Inverter 60 0 0 0 00000000 SET ESC -00000000 13 14 16 17 19 21 24 25 Grid

Three phase four wire: direct connect

07

Symbol	Meaning
Σ	The phase parameter indicates that the data displayed by LCD is a phase parameter.
L	The current running line is sensibility
С	Current running line is capacitive
V	A unit of voltage indicating that the data displayed by the LCD is a voltage.
A	The unit of current indicating that the data displayed by the LCD is current.
₩	The active power unit indicates that the data displayed by LCD is active power.
var	A reactive power unit indicating that the data displayed by
PF	LCD is reactive power. Power factor, indicating that the data displayed by LCD is power factor.
Hz	A unit of frequency that indicates that the data displayed by the LCD is frequency
kWh	A reactive power unit indicating that the data displayed by LCD is reactive power.
kvarh	The active power unit indicates that the data displayed by LCD is active power.

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

- 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 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.

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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					
Address					
Product Serial Number.					
Date of Commissioning					
Installation Company Name					

Date of Deliver	/	
Signature		

www.solaxpower.com 614.00822.00

L1 L2 L3 N

Symbol

Meaning

missing (the corresponding lx flickers).

Determine whether the current three phase voltage is missing (the corresponding Ux flickers).

Determine whether the current three phase current is

Current running quadrant indication

(1) (1) (1) Current rate period