



Energy Meter

DTSU666-D

User Manual

Please read this manual carefully before use.

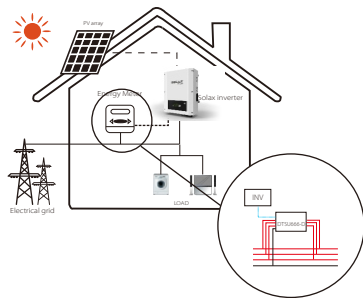
Notes and Safety

- 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!

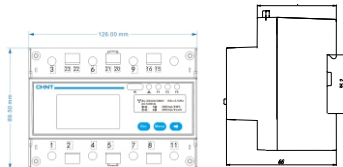
Introduction

① Basic features

DTSU666-D 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



1,3,4,6,7,9,11	Voltage acquisition port
15,16	RS485 port

Only authorized personnel is allowed to set the connection.

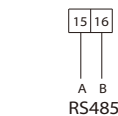
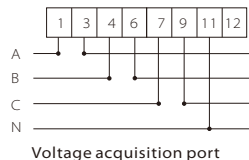
Installation

① Mounting

DTSU666-D meter is designed for indoor installation, it could be installed on the wall or other place indoor.

② Wiring diagram

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



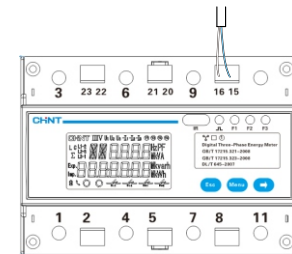
③ Wiring Connection

Step 1: RS485 terminal connection

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

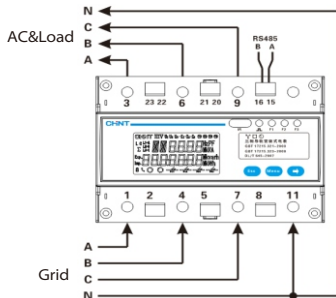
Pin	1	2	3	4	5	6	7	8
Meter	x	x	x	RS485 A (Blue)	RS 485 B (White)	x	x	GND

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 16
Blue line connect to port 15.



Step 2: Voltage wire connection

- 1.Insert the A B C N wires to the 1,4, 7,11 ports of the meter, and insert the other side of the A B C N wires to the grid.
- 2.Insert the A B C N wires to the 3,6,9,11 ports of the meter, and insert the other side of the A B C N wires to the AC&Load side.



LCD description

Symbol	Meaning
Σ	The phase parameter indicates that the data displayed by LCD is a phase parameter.
L	The current running line is sensibility
C	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.
W	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 LCD is reactive power.
PF	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.

Symbol	Meaning
IIIV	Current running quadrant indication
Ⓜ Ⓝ Ⓟ Ⓠ	Current rate period
U ₁ U ₂ U ₃	Determine whether the current three phase voltage is missing (the corresponding Ux flickers).
-I ₁ -I ₂ -I ₃	Determine whether the current three phase current is missing (the corresponding Ix flickers).
⚡	Current switch input and output status identification

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 506 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/>

Warranty Registration Form

Name Country

Phone Number..... Zip Code

Email

Address

Product Serial Number.....

Date of Commissioning

Installation Company Name

Date of Delivery

Signature