



Energy Meter

DDSU666

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.

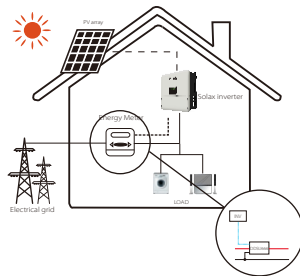


Danger of high voltage!
Danger to life due to high voltage of this machine!

Introduction

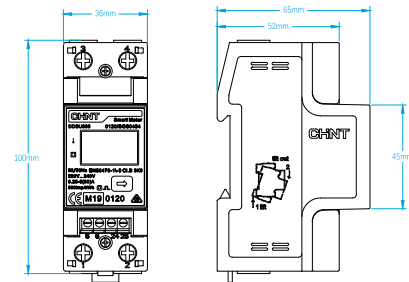
① Basic features

DDSU666 Meter can achieve energy management together with solax single phase inverter. It applies to 80A system on below, measure the import, export and total power and energy.



01

② Terminals and Dimension



1,2,3	Single phase input port
24,25	RS485 port



Only authorized personnel is allowed to set the connection.

02

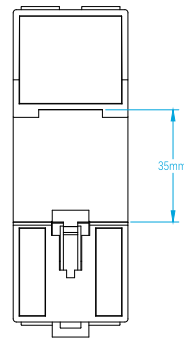
③ Performance and Specification

Model	Frequency	Voltage	Current	Type
DDSU666	60Hz	230V	0.25-5(80)A	Direct connection

Installation

① Mounting

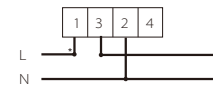
DDSU666 meter is designed for indoor installation, it could be installed on the wall or other place indoor.



03

② Wiring diagram

cable size: 5AWG or $\leq 16\text{mm}^2$



Direct access to the instrument

Communication cable size:
17~23AWG or $0.25\sim 1\text{mm}^2$



A B
RS485

04

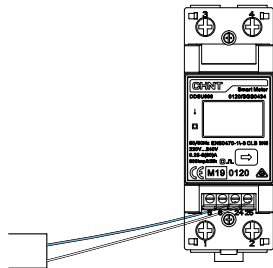
③ Wiring Connection

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 port 24 and 25 of meter. See the figure below for the connection.

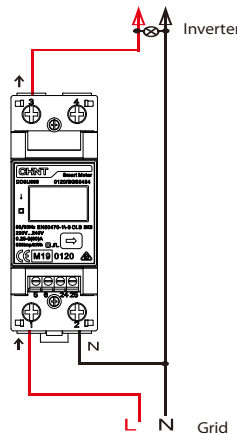
Please note that the same color communication cable is used for the same communication port identifier between the inverter and the meter.

PS: 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: Current wire connection

- 1.Insert the L wires to the ports 1 and 3 of the meter respectively. Connect port 1 with Grid terminal and port 3 with Load terminal.
- 2.Connect N wires with the port 2 of the meter.



LCD description

*1'		Meaning that the meter is showing the voltage, the unit is 'V'
*2'		Meaning that the meter is showing the current, the unit is 'A'
*3'		Meaning that the meter is showing the active power, the unit is 'W'
*4'		Meaning that the meter is showing the active energy, the unit is 'kWh'
*5'		Meaning that the meter is showing the 645 communication protocol
*6'		Meaning that the current 645 address is 10000000011
*7'		Meaning that the current 645 address is 10000000011
*8'		Meaning that the baud rate is 2400

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:
SolaX Power Network Technology (Zhejiang) Co., Ltd.
ADD: No.288 shizhu Road, Tonglu Economic Zone,
Tonglu City, Zhejiang Province, China.

Tel. +86 571 56260011
FAX +86 571 56075753
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

Address

Product Serial Number.....

Date of Commissioning

Installation Company Name

Date of Delivery

Signature