

DTSU666 Three phase electronic energy meter user manual

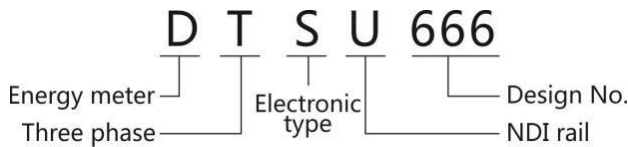
1. Overview of products

1.1 Applicable range

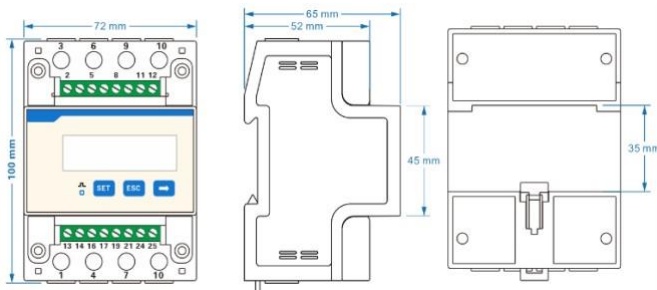
The DTSU666 meter mainly applied into the measurement and display for the photovoltaic system parameters in the electric circuit including voltage, current, power, frequency, power factor, active energy, etc. The network can be realized through RS485 communication interface and external device. Adopting the standard DIN35mm din rail mounting and modular design, it is characterized with small volume, easy installation and easy networking.



1.2 Specification for product model



1.3 Outline & Mounting Dimension



2. Datasheet

Type	DTSU666
Electrical Characteristics	
Application	Three phase
Nominal Voltage[V]	3×220/380
Operating range	0.7~1.2Un
Max. Current [A]	80
Frequency/Range [Hz]	50,60±5
Power Consumption[W]	≤1
Max. Instant Consumption [VA]	≤5
Physical Parameters	
Display	LCD
Communication	RS485
Operating Temperature Range	-40°C~60°C
Ambient Humidity	0-95% Non-condensing
Ingress Protection	IP54
Installation method	mounting rack
Dimensions[H*W*D][mm]	98*72*65
Weight [kg]	0.4
Applicable Standard	CE, RoHS

3. Instructions for installation

3.1 Check the Package

Check whether the product shell in the carton is damaged, if is, please contact the supplier

3.2 Installation

Directly clip the instrument on the rail and install it on the distribution box.

(1) When installing, firstly clip one terminal of the slot and then clip to the rail with power. (standard DIN35mm)

(2) When disassembling, press the movable card with a screwdriver and take out the instrument.



Figure 3.1 Meter installation

3.3 Instruction of wiring terminal

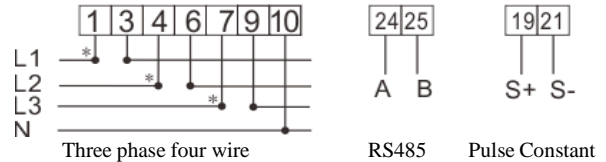


Figure 3.2 Direct connection

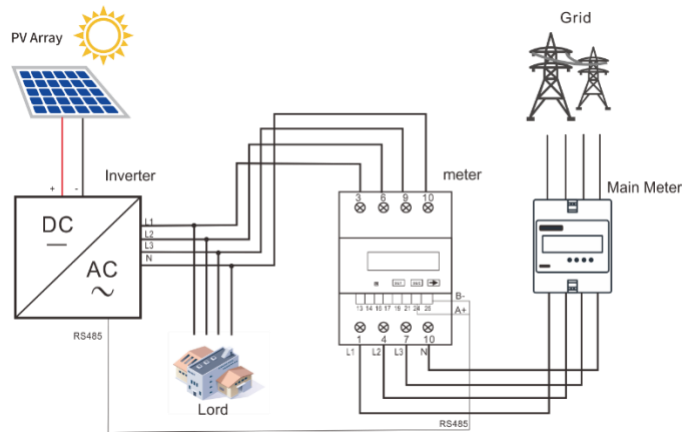


Figure 3.3 Meter connection diagram

3.4 RS485 interface of invert

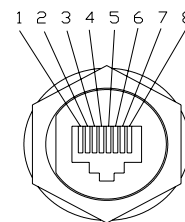


Figure 3.4 RS485 pin of R5series

PinNumber	Description	Effect
1	NC	
2	GND_W	Ground wire
3	+7V_W	Power supply
4	NC	
5	NC	
6	NC	
7	RS485-A	Transmission RS485 differential signal
8	RS485-B	

Table 3.1 RS485 pin port definition



Figure 3.4 RS485 connector of Suntrio Plus series

