

DDSU666 Single phase electronic energy meter user manual

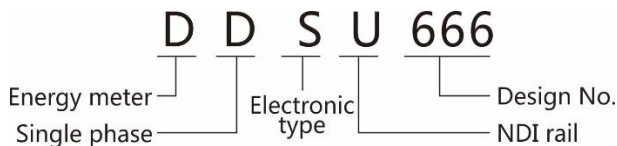
1. Overview of products

1.1 Applicable range

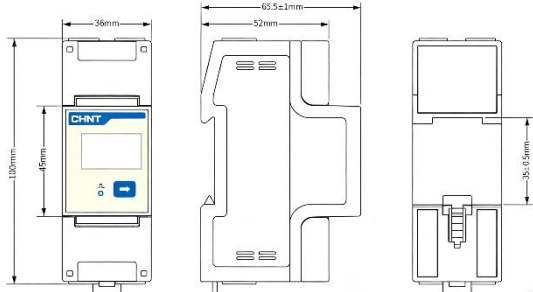
The DDSU666 meter mainly applied into the measurement and display for the photovoltaic system parameters in the electric circuit including voltage, current, power, frequency, power factor, active energy, etc. The network can be realized through RS485 communication interface and external device. Adopting 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	DDSU666
Electrical Characteristics	
Application	Single phase
Current specification	100A/40mA
Voltage measuring range	100V...276V
Current measuring range	0~100A
Frequency/Range [Hz]	50/60
Accuracy class	Class B(Class 1)
Power grid system	Single phase
Baud rate	1200bps/2400bps/4800bps/9600bps (default 9600bps)/19200bps/115200bps
Physical Parameters	
Temperature	-25°C~+55°C(nominal), -40°C~+70°C(ultimate)
Installation method	Rail mounting
Dimensions[H*W*D][mm]	100× 36× 65.5
Weight [g]	About 150
Applicable Standard	CE,RCM,SAA

3. Instructions for installation

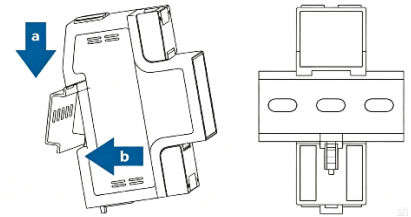
3.1 Check the Package

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

3.2 Installation

1) Installing

Mount the Smart Meter to the 35mm DIN rail. Hook it to the top edge of the rail and press down until it snaps into place.



2) Prepare cables

Cable	Port	Type	Conductor Cross-sectional Area Range	Outer Diameter	Source	Port number
Voltage Cable	L or UL	Multi-core Outdoor Copper Cable	4mm ² ~25mm ²	5mm~10mm	Prepared by the customer	3
	N or UN					4
Current transformer cable(single circuit)	I1*	/	/	/	Prepared by the customer or supplied with current transformers	9
	I1					10
Current transformer cable(double circuit)	I2*	/	/	/	Prepared by the customer or supplied with current transformers	11(selectable)
	I2					12(selectable)
Communications cable (advise)	RS485_1_A	Two core outdoor twisted-pair shielded wire	0.25mm ² ~1.5mm ²	4mm~11mm	Prepared by the customer	24
	RS485_1_B					25
	RS485_2_A					5(selectable)
	RS485_2_B					6(selectable)

4. Fault and troubleshooting

Fault phenomenon	Reason analysis	Elimination
No display after the instrument being powered on	Incorrect wiring mode; Abnormal voltage supplied for the instrument;	1.If the wiring mode is incorrect, please connect based on the correct wiring mode (see the wiring diagram). 2.If the supplied voltage is abnormal, please supply the voltage on the instrument specification. If this is not the problem above, contact your local supplier.