

Chint Smart Meter

DDSU666/DTSU666



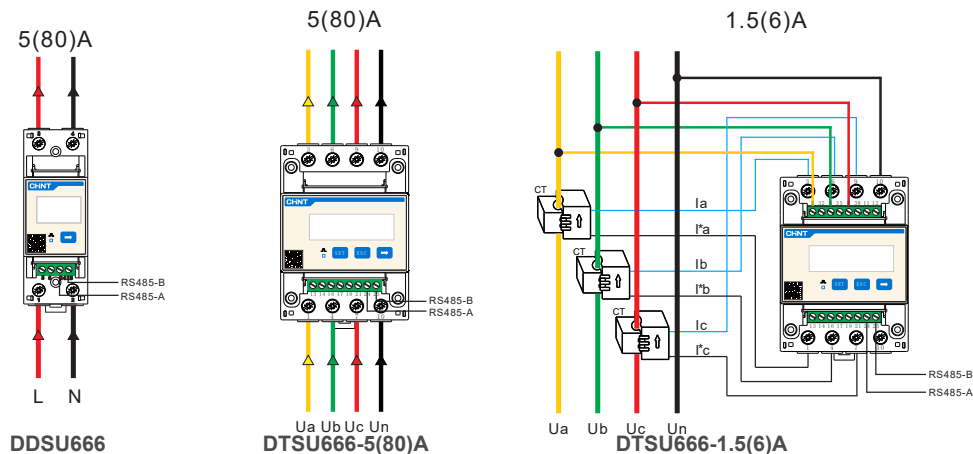
- Class 1 measurement accuracy
- LCD display, easy to operate
- Compatible with Chint PV inverters



Technical Specification		DDSU666	DTSU666-5(80)A	DTSU666-1.5(6)A
General Data				
Dimension(H x W x D)		100x36x65.5 mm (3.9x1.4x2.6 inch)	100x72x65.5 mm (3.9x2.8x2.6 inch)	
Mounting type		DIN35 Rail		
Weight		1.2 kg (2.6lb)	1.5 kg (3.3lb)	
Power Supply				
Power Grid Type		1P2W	3P4W	
Input Voltage		100Vac ~ 288Vac	58Vac ~ 288Vac	
Power Consumption		≤ 0.8W	≤ 1W	
Measure Range				
Line Voltage		/	100Vac ~ 499Vac	
Phase Voltage		100Vac ~ 288Vac	58Vac ~ 288Vac	
Current		0 ~ 80A	0 ~ 80A	0 ~ 100A/200A/300A*
Measure Accuracy				
Voltage		±0.5%		
Current / Power / Energy		±1%		
Frequency		±0.01Hz		
Communication				
Interface		RS485		
Baud rate		9600 bps		
Communication Protocol		Modbus-RTU		
Environment				
Operating Temperature Range		- 25℃ ~ +60℃		
Storage Temperature Range		- 40℃ ~ +70℃		
Operating Humidity		0% - 95%, Non-condensing		
Ingress Protection		IP20		
Cable				
Cross-sectional Area Range	AC Power Cable	4 ~ 16mm²		
	Comm. Cable	0.25 ~ 1mm²		

*Needs to be used with the current transformers provided by Chint Power

Wiring Method



Current Transformers For DTSU666 Smart Meters

The solution for larger PV systems: The easy-to-connect DTSU666 Smart Meter CT current transformer can be used to measure higher currents without having to disconnect the power supply.

This is possible thanks to its split core technology where the transformer is placed around the cable to be measured without the need to disconnect the cable for installation.

The transformer converts the measured current into a signal that can be measured by the DTSU666 Smart Meter. The Smart Meter then converts the signal to the original primary current using the conversion ratio.

The result is reliable measurement of key data, enabling even larger PV systems to be optimised.

Length	48.5 mm
Height	64 mm
Depth	33 mm
Weight	0.4 kg
Cable Length	1 m
Rated primary current	300A
Rated secondary current	5A
transformation ratio	60:1
Connection cross-section phase and neutral conductor	1-16mm ²
load	20Ω
Maximum current	360A
Accuracy class	1
Installation method	Split Core
Operation temperature	-20°C~+55°C
Ingress Protection	IP20
Relative humidity	≤70%
Operating Frequency	50Hz/60Hz

Note :

A.Dielectric strength: the power frequency voltage between the primary winding and the secondary winding is 3KV/1min, without breakdown and flashover, and the leakage current is less than 1mA.

B.Insulation resistance: ≥ 500MΩ/500Vdc between primary and secondary windings.

C.The output lead is a black and red insulated leather wire with a cross-sectional area of 1.5mm², with a standard length of 1m; The red secondary lead terminal and the P1 terminal of the current transformer are the same name terminals.

