

# Smart Power Sensor



## Accurate

Class 1 measurement accuracy



## Simple & Easy

LCD display, easy to set and check



## Energy Efficient

Overall power consumption  $\leq 1$  W

Technical Specification	DDSU666-H	DTSU666-H	DTSU666-H 250A/50mA
<b>General Data</b>			
Dimension (H x W x D)	100 x 36 x 65.5 mm (3.9 x 1.4 x 2.6 inch)	100 x 72 x 65.5 mm (3.9 x 2.8 x 2.6 inch)	100 x 72 x 65.5 mm (3.9 x 2.8 x 2.6 inch)
Mounting type	DIN35 Rail		
Weight (including cables)	1.2 kg (2.6 lb)	1.5 kg (3.3 lb)	1.5 kg (3.3 lb)
<b>Power Supply</b>			
Power grid type	1P2W	3P3W/3P4W	3P3W/3P4W
Input voltage (phase voltage)	176 Vac ~ 288 Vac		
Power consumption	$\leq 0.8$ W	$\leq 1$ W	$\leq 1$ W
<b>Measurement Range</b>			
Line voltage	/	304 Vac ~ 499 Vac	304 Vac ~ 499 Vac
Phase voltage	176 Vac ~ 288 Vac		
Current	0 ~ 100 A	0 ~ 100 A	0 ~ 250 A
<b>Measurement Accuracy</b>			
Current / Voltage	$\pm 0.5$ %		
Power / Energy	$\pm 1$ %		
Frequency	$\pm 0.01$ Hz		
<b>Communication</b>			
Interface	RS485		
Baud rate	9,600bps		
Communication protocol	Modbus-RTU		
<b>Environment</b>			
Operating temperature range	-25 °C ~ 60 °C		
Storage temperature range	-40 °C ~ 70 °C		
Operating humidity	5 %RH ~ 95 %RH (non-condensing)		
<b>Others</b>			
Accessories	RS485 Cable (10 m / 33 ft.)		
	1 CT 100A / 40mA (5 m / 16.4 ft.)	3 CT 100A / 40mA (5m / 16.4 ft.)	3 CT 250A / 50mA (5m / 16.4 ft.)

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## Energy Efficient

Overall power consumption  $\leq$  1.5 W

Technical Specification	DTSU666-HW/YDS60-80
<b>General Data</b>	
Dimension (H x W x D)	100 x 72 x 80 mm (3.9 x 2.8 x 3.1 inch)
Mounting type	DIN35 Rail
Weight (including cables)	< 0.5 kg
<b>Power Supply</b>	
Power grid type	3P4W/3P3W
Input voltage (line voltage)	90 ~ 500 Vac
Power consumption	$\leq$ 1.5 W
<b>Measurement Range</b>	
Line voltage	90 Vac ~ 1000 Vac (> 500 with external PT <sup>1)</sup> )
Phase voltage	52~577 Vac
Current	0 ~ 80 A(>80 with external CTs <sup>2)</sup> )
<b>Measurement Accuracy</b>	
Voltage / Current	$\pm$ 0.5 %
Power / Energy	$\pm$ 1 %
Frequency	$\pm$ 0.01 Hz
<b>Communication</b>	
Interface	RS485
Baud rate	4800/9600/19200/115200 (Default 9600bps)
Communication protocol	Modbus-RTU
<b>Environment</b>	
Operating temperature range	-25 °C ~ 60 °C
Storage temperature range	-40 °C ~ 70 °C
Operating humidity	5 %RH ~ 95 %RH (non-condensing)
<b>Others</b>	
Accessories	RS485 Cable (10 m / 33 ft.)

<sup>1</sup> 2<sup>nd</sup> voltage of CT should be 100V. And accuracy should be better than Class 0.5

<sup>2</sup> 2<sup>nd</sup> current of CT should be 1A or 5A. And accuracy should be better than Class 0.5