## **Smart Power Sensor**







## **Accurate**

Class 1 measurement accuracy



## Simple & Easy

LCD display, easy to set and check



## **Energy Efficient**

Overall power consumption  $\leq 1 \text{ W}$ 

General Data  100 x 36 x 65.5 mm 100 x 72 x 65.5 mm 100 x 72 x 65.5 mm				
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         (3.9 x 2.8 x 2.6 inch)         1.5 kg (3.3 lb)         1.5 kg (3.3 lb)         1.5 kg (3.3 lb)           Power Supply           Power Supply      <	Technical Specification	DDSU666-H	DTSU666-H	DTSU666-H 250A/50n
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         (3.9 x 2.8 x 2.6 inch)         1.5 kg (3.3 lb)         1.5 kg (2.5 lb)         1.5 k			General Data	
Neight (including cables)   1.2 kg (2.6 lb)   1.5 kg (3.3 lb)	Dimension (H x W x D)		100 x 72 x 65.5 mm	100 x 72 x 65.5 mm (3.9 x 2.8 x 2.6 inch)
Neight (including cables)   1.2 kg (2.6 lb)   1.5 kg (3.3 lb)	Mounting type		DIN35 Rail	
Power grid type   1P2W   3P4W   3P4W   3P4W/3P3W     Input voltage (phase voltage)   176 Vac ~ 288 Vac     Power consumption   ≤ 0.8 W   ≤ 1 W   ≤ 1 W	0.71	1.2 kg (2.6 lb)	1.5 kg (3.3 lb)	1.5 kg (3.3 lb)
Power grid type   1P2W   3P4W   3P4W   3P4W/3P3W     Input voltage (phase voltage)   176 Vac ~ 288 Vac     Power consumption   ≤ 0.8 W   ≤ 1 W   ≤ 1 W			Power Supply	
Input voltage (phase voltage)   176 Vac ~ 288 Vac   Power consumption   ≤ 0.8 W   ≤ 1 W   ≤ 1 W   ≤ 1 W	Power grid type	1P2W		3P4W/3P3W
Power consumption			176 Vac ~ 288 Vac	,
Line voltage       /       304 Vac ~ 499 Vac       304 Vac ~ 499 Vac         Phase voltage       176 Vac ~ 288 Vac         Current       Measurement Accuracy         Woltage       ±0.5 %         Current / Power / Energy       ±1 %         Frequency       ±0.01 Hz         Communication         Interface       R5485         Baud rate       9,600 bps         Communication protocol       Modbus-RTU         Environment         Operating temperature range       -25 °C ~ 60 °C         Storage temperature range       -40 °C ~ 70 °C         Operating humidity       5 %RH ~ 95 %RH (non-condensing)         Others         R5485 Cable (10 m / 33 ft.)         1 CT 100A / 40mA (5 m / 16.4 ft.)       3 CT 250A / 50mA (5m / 16.4 ft.)		≤ 0.8 W	≤ 1 W	≤ 1 W
Line voltage       /       304 Vac ~ 499 Vac       304 Vac ~ 499 Vac         Phase voltage       176 Vac ~ 288 Vac         Current       Measurement Accuracy         Voltage       ±0.5 %         Current / Power / Energy       ±1 %         Frequency       ±0.01 Hz         Communication         Interface       R5485         Baud rate       9,600 bps         Communication protocol         Modbus-RTU         Environment         Operating temperature range       -25 °C ~ 60 °C         Storage temperature range       -40 °C ~ 70 °C         Operating humidity       5 %RH ~ 95 %RH (non-condensing)         Others         R5485 Cable (10 m / 33 ft.)         1 CT 100A / 40mA (5 m / 16.4 ft.)       3 CT 250A / 50mA (5m / 16.4 ft.)			Measurement Range	
Phase voltage         176 Vac ~ 288 Vac           Current         0 ~ 100 A         0 ~ 250 A           Measurement Accuracy           Voltage         ±0.5 %           Current / Power / Energy         ±1 %           Frequency         ±0.01 Hz           Communication           Interface         R5485           Baud rate         9,600 bps           Communication protocol         Modbus-RTU           Environment           Operating temperature range         -25 °C ~ 60 °C           Storage temperature range         -40 °C ~ 70 °C           Operating humidity         5 %RH ~ 95 %RH (non-condensing)           Others           R5485 Cable (10 m / 33 ft.)           1 CT 100A / 40mA (5 m / 16.4 ft.)         3 CT 250A / 50mA (5m / 16.4 ft.)	Line voltage	/		304 Vac ~ 499 Vac
Voltage         ±0.5 %           Current / Power / Energy         ±1 %           Communication           Interface         RS485           Baud rate         9,600 bps           Communication protocol         Modbus-RTU           Environment           Operating temperature range         -25 °C ~ 60 °C           Storage temperature range         -40 °C ~ 70 °C           Operating humidity         5 %RH ~ 95 %RH (non-condensing)           Others           RS485 Cable (10 m / 33 ft.)           1 CT 100A / 40mA (5 m / 16.4 ft.)         3 CT 250A / 50mA (5m / 16.4 ft.)           (5 m / 16.4 ft.)         (5 m / 16.4 ft.)	-	,	176 Vac ~ 288 Vac	
Voltage       ±0.5 %         Current / Power / Energy       ±1 %         Frequency       ±0.01 Hz         Communication         Interface       RS485         Baud rate       9,600 bps         Communication protocol       Modbus-RTU         Environment         Operating temperature range       -25 °C ~ 60 °C         Storage temperature range       -40 °C ~ 70 °C         Operating humidity       5 %RH ~ 95 %RH (non-condensing)         Others         RS485 Cable (10 m / 33 ft.)         1 CT 100A / 40mA (5 m / 16.4 ft.)       3 CT 250A / 50mA (5m / 16.4 ft.)         (5 m / 16.4 ft.)       (5 m / 16.4 ft.)	Current	0 ~ 100 A	0 ~ 100 A	0 ~ 250 A
Voltage       ±0.5 %         Current / Power / Energy       ±1 %         Frequency       ±0.01 Hz         Communication         Interface       RS485         Baud rate       9,600 bps         Communication protocol       Modbus-RTU         Environment         Operating temperature range       -25 °C ~ 60 °C         Storage temperature range       -40 °C ~ 70 °C         Operating humidity       5 %RH ~ 95 %RH (non-condensing)         Others         RS485 Cable (10 m / 33 ft.)         1 CT 100A / 40mA (5 m / 16.4 ft.)       3 CT 250A / 50mA (5m / 16.4 ft.)         (5 m / 16.4 ft.)       (5 m / 16.4 ft.)			Measurement Accuracy	1
Current / Power / Energy         ±1 %           Frequency         ±0.01 Hz           Communication           Interface         RS485           Baud rate         9,600 bps           Communication protocol         Modbus-RTU           Environment           Operating temperature range         -25 °C ~ 60 °C           Storage temperature range         -40 °C ~ 70 °C           Operating humidity         5 %RH ~ 95 %RH (non-condensing)           Others           RS485 Cable (10 m / 33 ft.)           1 CT 100A / 40mA (5 m / 16.4 ft.)         3 CT 250A / 50mA (5m / 16.4 ft.)           (5 m / 16.4 ft.)         (5 m / 16.4 ft.)	Voltage			
Communication  Interface RS485  Baud rate 9,600 bps  Communication protocol Modbus-RTU   Environment  Operating temperature range -25 °C ~ 60 °C  Storage temperature range -40 °C ~ 70 °C  Operating humidity 5 %RH ~ 95 %RH (non-condensing)  Others  RS485 Cable (10 m / 33 ft.)  1 CT 100A / 40mA 3 CT 100A / 40mA (5 m / 16.4 ft.) (5m / 16.4 ft.)	0	±1 %		
Interface       RS485         Baud rate       9,600 bps         Communication protocol         Environment         Operating temperature range         Storage temperature range       -25 °C ~ 60 °C         Operating humidity       5 %RH ~ 95 %RH (non-condensing)         Others         RS485 Cable (10 m / 33 ft.)         1 CT 100A / 40mA (5 m / 16.4 ft.)       3 CT 250A / 50mA (5m / 16.4 ft.)         (5 m / 16.4 ft.)       (5 m / 16.4 ft.)	Frequency		±0.01 Hz	
Baud rate 9,600 bps Communication protocol Modbus-RTU  Environment  Operating temperature range -25 °C ~ 60 °C Storage temperature range -40 °C ~ 70 °C Operating humidity 5 %RH ~ 95 %RH (non-condensing)  Others  RS485 Cable (10 m / 33 ft.)  1 CT 100A / 40mA (5 m / 16.4 ft.) 3 CT 250A / 50mA (5m / 16.4 ft.)  (5m / 16.4 ft.)			Communication	
$\begin{tabular}{ l l l l l l l l l l l l l l l l l l l$	Interface	RS485		
Environment  Operating temperature range Storage temperature range Operating humidity  -25 °C ~ 60 °C -40 °C ~ 70 °C  5 %RH ~ 95 %RH (non-condensing)  Others  RS485 Cable (10 m / 33 ft.)  1 CT 100A / 40mA (5 m / 16.4 ft.)  (5 m / 16.4 ft.)  STORM STORM (5 m / 16.4 ft.)  (5 m / 16.4 ft.)	Baud rate	9,600 bps		
	Communication protocol		Modbus-RTU	
Storage temperature range       -40 °C ~ 70 °C         Operating humidity       5 %RH ~ 95 %RH (non-condensing)         Others         RS485 Cable (10 m / 33 ft.)         1 CT 100A / 40mA (5 m / 16.4 ft.)       3 CT 250A / 50mA (5m / 16.4 ft.)         (5 m / 16.4 ft.)       (5m / 16.4 ft.)			Environment	
Operating humidity 5 %RH ~ 95 %RH (non-condensing)  Others  RS485 Cable (10 m / 33 ft.)  1 CT 100A / 40mA (5 m / 16.4 ft.) 3 CT 100A / 40mA (5m / 16.4 ft.) (5m / 16.4 ft.) (5m / 16.4 ft.)	Operating temperature range			
Others       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.)	Storage temperature range	-40 °C ~ 70 °C		
RS485 Cable (10 m / 33 ft.)  1 CT 100A / 40mA	Operating humidity	5	6 %RH ~ 95 %RH (non-condensing	ng)
1 CT 100A / 40mA 3 CT 100A / 40mA 3 CT 250A / 50mA (5 m / 16.4 ft.) (5m / 16.4 ft.) (5m / 16.4 ft.)			Others	
1 CT 100A / 40mA 3 CT 100A / 40mA 3 CT 250A / 50mA (5 m / 16.4 ft.) (5m / 16.4 ft.) (5m / 16.4 ft.)		RS485 Cable (10 m / 33 ft.)		
Accessories			3 CT 100A / 40mA	
	Accessories		<b>9 99</b>	999

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