

# Smart Power Sensor



## Accurate

Class 1 measurement accuracy





## Simple & Easy

LCD display, easy to set and check



## Energy Efficient

Overall power consumption  $\leq 1W$

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

