

# 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 250A/50mA                                                                                                      |
|-------------------------------|------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------|
| General Data                  |                                                                                                                        |                                                                                                                          |
| 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)                                                                                                          |
| Power Supply                  |                                                                                                                        |                                                                                                                          |
| Power grid type               | 1P2W                                                                                                                   | 3P4W                                                                                                                     |
| Input voltage (phase voltage) | 176 Vac ~ 288 Vac                                                                                                      |                                                                                                                          |
| Power consumption             | ≤ 0.8 W                                                                                                                | ≤ 1 W                                                                                                                    |
| Measurement Range             |                                                                                                                        |                                                                                                                          |
| Line voltage                  | /                                                                                                                      | 304 Vac ~ 499 Vac                                                                                                        |
| 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                     | 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                        |                                                                                                                        |                                                                                                                          |
| 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> |