

## Energy Meter preconfigured for SunPower Reserve installations



### Accuracy

Measurement accuracy of  $\pm 1\%$  (MID grade/ class 1) across the operating temperature range

### Installation

Standard din-rail mounting of DIN 35mm  
 Small volume, 72mm, 3-phase 4 wire  
 LCD display  
 Visual color identification for simple wiring

### Power consumption

Overall  $\leq 1.5$  W

## Technical Specification DTSU666

|                                 | DTSU666-CT-100A                               | DTSU666-INLINE                              |
|---------------------------------|---|---|
| <b>General Specification</b>    |   |   |
| Dimension (W x D x H)           | 72 x 98 x 65.5 mm                             | 72 x 100 x 65.5 mm                          |
| Weight (incl. CTs and cables)   | $\leq 1$ kg                                   | $\leq 0.4$ kg                               |
| Mounted type                    | DN35 Rail                                     |   |
| <b>Power Supply</b>             |   |   |
| Power Grid Type                 | 1P3W / 3P4W                                   |   |
| Input Voltage                   | 57.7 VAC ~ 240 VAC (phase voltage)            | 57.7 VAC ~ 288 VAC (phase voltage)          |
| Power Consumption               | $\leq 1.5$ W                                  | $\leq 1$ W                                  |
| <b>Measurement Range</b>        |   |   |
| Line Voltage                    | 100 VAC ~ 415 VAC                             | 100 VAC ~ 499 VAC                           |
| Current                         | 0 ~ 100 A                                     | 0 ~ 80 A                                    |
| <b>Measurement Accuracy</b>     |   |   |
| Voltage                         | $\pm 0.5\%$                                   |   |
| Current                         | $\pm 0.5\%$                                   | $\pm 1\%$                                   |
| Power                           | $\pm 1\%$                                     |   |
| Energy                          | $\pm 1\%$                                     |   |
| <b>Communication</b>            |   |   |
| Interface                       | RS485   |   |
| Baud Rate                       | 1200 / 2400 / 4800 / 9600 bps                 |   |
| Communication Protocol          | Modbus-RTU                                    |   |
| <b>Environment</b>              |   |   |
| Operating Temperature           | $-25^{\circ}\text{C} \sim 70^{\circ}\text{C}$ |   |
| Storage Temperature             | $0^{\circ}\text{C} \sim 70^{\circ}\text{C}$   | $0^{\circ}\text{C} \sim 40^{\circ}\text{C}$ |
| Operating Humidity              | $\leq 75\%$ (non-condensing)                  |   |
| <b>Current Transformer (CT)</b> |   |   |
| Type                            | Split Core                                    | N/A   |
| Current (Primary/Secondary)     | 100 A / 40 mA                                 | N/A   |
| Maximum cable diameter          | 15 mm   | N/A   |
| Cable Length                    | 6 m   | N/A   |
| Number of CT's supplied         | 6*  | N/A   |

\*3 CT's for a DC coupled system; 6 CT's for a AC / Hybrid coupled system