SUNGROW
Clean power for all

# DTSU666-20

## Accessories

### ACCURATE MEASUREMENT

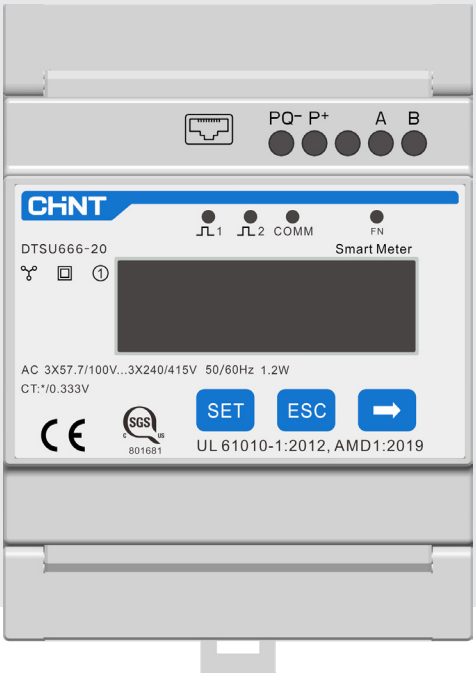
- Class 1 measurement accuracy

### EASY OPERATION

- LCD display, easy to set and check
- Meter with CT for easy installation

### HIGH EFFICIENCY

- Overall power consumption ≤ 1.5 W






| Technical parameters | DTSU666-20 |
|---|---|
| **Input** | |
| Rated voltage | 240 Vac L-N / 415 Vac L-L |
| AC voltage range | 50 ~ 280 Vac L-N / 85 ~ 485 Vac L-L |
| Measurement range | CT: 0 ~100 A or 0 ~ 250 A, Rogwski coil: 0~1000 A or 0~3000 A |
| Accuracy class | 1 * |
| Power consumption | ≤ 1.5 W (6 VA) |
| CTs available input no. | 6 |
| **Communication** | |
| Serial port | RS485 * 1, 9600 bps |
| **Protection and data storage** | |
| Insulation resistance | > 100MΩ |
| Overvoltage category | III |
| Data storage time | 10 Years |
| **Ambient conditions** | |
| Operating temperature | -25 °C ~ 70 °C |
| Relative air humidity | ≤ 75 % (non-condensing) |
| Max. operating altitude | ≤ 2000 m |
| Protection class | IP20 |
| **Mechanical parameters** | |
| Dimensions (W x H x D) | 72 mm × 118 mm × 65.5 mm |
| Weight | 800 g |
| AC connection | 1 - 6 mm² |
| Comm. connection | 0.2 - 1 mm² |
| Mounting type | 35 mm Din-rail mounting |
| Certificate compliance | EN61326-1, EN61010-1 |

| Technical parameters | CT |
|---|---|
| **CT** specification** | |
| CT type | Split Core |
| Max. input current | 100 A or 250 A |
| Output voltage | 333 mV |
| Cable lengths | 6 m |
| CT model | ZTY6.176.532 for 100 A, ZTY6.176.533 for 250 A |

* Measurement accuracy is determined by installation if use Rogwski coil.
** CTs need to be ordered seperately, while for certain types of inverters, CTs are provided by default, please refer to inverters manuals for details.

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SUNGROW INVERTERS, BATTERIES & HEMS

# COMPATIBILITY LIST

01.06.2026 | VERSION 4.3

# SH3.0-6.0RS
## Compatibility Overview




### Communication

| | Part of delivery | Max. Support | Features / Comment |
|---|---|---|---|
| **WiNet-S/S2** | yes | max. 1 device | 10 sec. refresh, WiFi or Ethernet |
| **EyeS4-EU** | no | max. 1 device | 10 sec. refresh, 4G |

### Energy Meters

| | Part of delivery | Feed-in limitation | Features / Comment |
|---|---|---|---|
| **S100** | yes | yes, 1 per host inverter | 1x 100 A / 25 mA CT incl.<br>For 2x SHRS in parallel, zero feed-in needs to be set |
| **DTSU666 5(80)A*** | no | yes, 1 per host inverter | For delta grid 3x 230 V operation without Neutral<br>For 2x SHRS in parallel, zero feed-in needs to be set |
| **DTSU666-20*** | no | yes, 1 per host inverter | 1x 100 A / 333 mV CT or 1x 250 A / 333 mV CT to be purchased separately<br>2x 100A/333mV CT for ATS + Diesel Generator Microgrid mode to be purchased separately<br>For 2x SHRS in parallel, zero feed-in needs to be set |

* only with meter version bought from Sungrow

### EV-Charger

| | Part of delivery | Max. Support | Features / Comment |
|---|---|---|---|
| **AC007E-01** | no | max. 1 device | Compatible with SHRS V11 and V13 |

### MLPE

| | Part of delivery | Features / Comment |
|---|---|---|
| **SP600S** | no | Compatible only with SHxxRS V13 via WiNet-S2 |