

SUNGROW INVERTERS **COMPATIBILITY LIST**

26.02.2024 | VERSION 2.5

Applicable scenarios with monitoring, consumption visualization, and feed-in limitation

Residential PV

| Inverter | Inverter Quantity | Devices | Monitoring | Consumption Visualization | Feed-in limitation ¹ | Compatible Energy Meter |
|----------|--------------------|------------------------|------------|---------------------------|---------------------------------|---|
| SGxxRS | one / multiple | WiNet (each inv.) | yes (iSC) | no | no | n/a |
| | one | Energy Meter + WiNet | | yes | yes (iSC) | S100 |
| SGxxRT | one / multiple | WiNet (each inv.) | | no | no | n/a |
| | one | Energy Meter + WiNet | | yes | yes | DTSD1352-C/1 (6)A, DTSU666(-20) |
| | multiple (up to 5) | Energy Meter + COM100E | | yes | yes (COM100E) | DTSD1352-C/1 (6)A, UMG, EM610, DTSU666(-20) |

Residential Hybrid

| Inverter | Inverter Quantity | Devices | Monitoring | Consumption Visualization | Feed-in limitation ¹ | Compatible Energy Meter |
|----------|--------------------|----------------------------------|------------|---------------------------|---------------------------------|--|
| SHxxRS | one / multiple | WiNet (each inv.) | yes (iSC) | no | no | n/a |
| | one | Energy Meter + WiNet | | yes | yes (iSC) | S100, DTSU666 5(80)A (Delta grid) |
| SHxxRT | one / multiple | WiNet (each inv.) | | no | no | n/a |
| | one | Energy Meter + WiNet | | yes | yes (iSC) | DTSD1352-C/1 (6)A, DTSU666(-20) ² |
| | multiple (up to 5) | Energy Meter + WiNet (each inv.) | | yes | yes (iSC) | DTSD1352-C/1 (6)A, DTSU666(-20) ² |

1: Please always observe country-specific regulations; 2: Only compatible with SHxxRT-20; iSC: iSolarCloud

C&I:

| Inverter | Inverter Quantity | Devices | Monitoring | Consumption Visualization | Feed-in limitation ¹ | Energy Meter |
|-----------|-------------------|---|------------|---------------------------|---------------------------------|--|
| SGxxCX | one / multiple | WiNet (each inv.) or COM100E or EyeM4 | yes (iSC) | no | no | n/a |
| | one | Energy Meter + EyeM4 | | yes | yes (EyeM4) | DTSD1352-C/1 (6)A, UMG604, EM610 |
| | | Energy Meter + COM100E | | yes | yes (COM100E) | DTSD1352-C/1 (6)A, UMGxx, EM610, DTSU666(-20), IEM3255, PZ96-E3, PD194EZ |
| | multiple | Energy Meter + COM100E ² | | yes | yes (COM100E) | DTSD1352-C/1 (6)A, UMG604, EM610 |
| | | Energy Meter + EyeM4 ³ | | yes | yes (EyeM4) | DTSD1352-C/1 (6)A, UMG604, EM610 |
| SGxxCX-P2 | one / multiple | WiNet (each inv.) or COM100E ² | | no | no | n/a |
| | one | Energy Meter + WiNet | | yes | yes (iSC) | DTSD1352-C/1 (6)A, UMG604, EM610, DTSU666(-20) [only 25-50CX-P2] |
| | | Energy Meter + COM100E | | yes | yes (COM100E) | DTSD1352-C/1 (6)A, UMGxx, EM610, DTSU666(-20), IEM3255, PZ96-E3, PD194EZ |
| | multiple | Energy Meter + COM100E ² | | yes | yes (COM100E) | DTSD1352-C/1 (6)A, UMGxx, EM610, DTSU666(-20), IEM3255, PZ96-E3, PD194EZ |

1: Please always observe country-specific regulations; 2: Please check pages 8 and 9 for how many devices can be connected to COM100E; 3: Please check page 9 for how many devices can be used with the EyeM4; iSC: iSolarCloud

SG2.0-6.0RS

Compatibility Overview



Communication

| | Part of delivery | Max. Support | Features / Comment |
|----------------|------------------|---------------|-----------------------------------|
| WiNet-S | yes | max. 1 device | 10 sec. refresh, WiFi or Ethernet |

Energy Meters

| | Part of delivery | Feed-in limitation | Features / Comment |
|-------------|------------------|--------------------|--------------------|
| S100 | no | max. 1 device | |

SG3.0-20RT

Compatibility Overview



Communication

| | Part of delivery | Max. Support | Features / Comment |
|----------------|------------------|------------------|--|
| WiNet-S | yes | max. 1 device | 10 sec. refresh, WiFi or Ethernet |
| COM100E | no | max. 5 devices** | FTP push, connecting environm. sensors, daisy chain mode, WiFi or Ethernet |

Energy Meters

| | Part of delivery | Feed-in limitation | Features / Comment |
|--------------------|------------------|---|---|
| DTSU666 5(80)A* | no | WiNet-S: max. 1 device COM100E: max. 5 devices** | |
| DTSD1352 6A* | no | WiNet-S: max. 1 device COM100E: max. 5 devices** | CT from 3rd party manufacturer |
| DTSU666-20* | no | WiNet-S: max. 1 device COM100E: max. 5 devices** | 3x 100 A / 330 mV CT or 3x 250 A / 330 mV CT to be purchased separately |
| Janitza (UMG) | no | COM100E: max. 5 devices** | 3rd party manufacturer |
| Weidmüller (EM610) | no | COM100E: max. 5 devices** | 3rd party manufacturer |

* only with meter version bought from Sungrow

** devices: inverters, energy meters, and irradiation sensors

SH3.0-6.0RS

Compatibility Overview



Communication

| | Part of delivery | Max. Support | Features / Comment |
|----------------|------------------|---------------|-----------------------------------|
| WiNet-S | yes | max. 1 device | 10 sec. refresh, WiFi or Ethernet |

Energy Meters

| | Part of delivery | Feed-in limitation | Features / Comment |
|------------------------|------------------|--------------------|---|
| S100 | yes | max. 1 device | |
| DTSU666 5(80)A* | no | max. 1 device | For delta grid 3x 230 V operation without Neutral |

* 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 |

SH5.0-10RT

Compatibility Overview



Communication

| | Part of delivery | Max. Support | Features / Comment |
|----------------|------------------|---------------|-----------------------------------|
| WiNet-S | yes | max. 1 device | 10 sec. refresh, WiFi or Ethernet |

Energy Meters

| | Part of delivery | Feed-in limitation | Features / Comment |
|------------------------|----------------------|--------------------------|--|
| DTSU666 5(80)A* | yes, for SHxxRT V112 | yes, 1 per host inverter | |
| DTSD1352 6A* | no | yes, 1 per host inverter | CT from 3rd party manufacturer |
| DTSU666-20* | yes, for SHxxRT-20 | yes, 1 per host inverter | 3x 100 A / 330 mV CT included, only compatible with SHxxRT-20, 3x 250 A / 330 mV CT to be purchased separately |

* only with meter version bought from Sungrow

EV-Charger

| | Part of delivery | Max. Support | Features / Comment |
|------------------|------------------|---------------|--|
| AC011E-01 | no | max. 1 device | Compatible with SHRT V11, V112 and SHRT-20 |

SG33-125CX-P2

Compatibility Overview



Communication

| | Part of delivery | Max. Support | Features / Comment |
|----------------|------------------|-------------------|--|
| WiNet-S | no | max. 1 device | 10 sec. refresh, WiFi or Ethernet |
| COM100E | no | max. 30 devices** | FTP push, connecting environm. sensors, daisy chain mode, WiFi or Ethernet |

Energy Meters

| | Part of delivery | Feed-in limitation | Features / Comment |
|---------------------------|------------------|---|---|
| DTSD1352 6A* | no | WiNet-S : max. 1 device COM100E: max. 30 devices** (SG33-50CX-P2) COM100E: max. 25 devices** (SG125CX-P2) | CT from 3rd party manufacturer |
| Janitza (UMG) | no | WiNet-S (<i>only UMG604</i>) : max. 1 device COM100E (<i>UMGxx</i>): max. 30 devices** | 3rd party manufacturer |
| Weidmüller (EM610) | no | WiNet-S : max. 1 device COM100E: max. 30 devices** | 3rd party manufacturer |
| DTSU666* | no | WiNet-S : max. 1 device (<i>only SG25-50CX-P2</i>) COM100E: max. 30 devices** | Currently, direct connection of DTSU666(-20) in single inverter scenarios only available for SG25-50CX-P2 |
| DTSU666-20* | no | WiNet-S : max. 1 device (<i>only SG25-50CX-P2</i>) COM100E: max. 30 devices** | |

* only with meter version bought from Sungrow

** devices: inverters, energy meters, and irradiation sensors

SG33-110CX

Compatibility Overview



Communication

| | Part of delivery | Max. Support | Features / Comment |
|----------------|------------------|-------------------|--|
| WiNet-S | no | max. 1 device | 10 sec. refresh, WiFi or Ethernet |
| COM100E | no | max. 30 devices** | FTP push, connecting environm. sensors, daisy chain mode, WiFi or Ethernet |
| EyeM4 | no | max. 10 devices** | Daisy chain mode, WiFi |

Energy Meters

| | Part of delivery | Feed-in limitation | Features / Comment |
|---------------------------|------------------|--|--------------------------------|
| DTSD1352 6A* | no | COM100E: max. 30 devices** (SG33-50CX) COM100E: max. 25 devices** (SG110CX) EyeM4: max. 10 devices** | CT from 3rd party manufacturer |
| Janitza (UMG) | no | COM100E (UMGxx): max. 30 devices** EyeM4 (only UMG604): max. 10 devices** | 3rd party manufacturer |
| Weidmüller (EM610) | no | COM100E: max. 30 devices** EyeM4: max. 10 devices** | 3rd party manufacturer |

* only with meter version bought from Sungrow

** devices: inverters, energy meters, and irradiation sensors