

SUNGROW INVERTERS **COMPATIBILITY LIST**

09.04.2024 | VERSION 2.7

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-S/S2 (each inv.) | yes (iSC) | no | no | n/a |
| | one | Energy Meter + WiNet-S/S2 | | yes | yes (iSC) | S100 |
| SGxxRT | one / multiple | WiNet-S/S2 (each inv.) | | no | no | n/a |
| | one | Energy Meter + WiNet-S/S2 | | yes | yes | DTSD1352-C/1 (6)A, DTSU666, DTSU666-20 |
| | multiple (up to 5) | Energy Meter + COM100E | | yes | yes (COM100E) | DTSD1352-C/1 (6)A, UMG, EM610, DTSU666, DTSU666-20 |

Residential Hybrid

| Inverter | Inverter Quantity | Devices | Monitoring | Consumption Visualization | Feed-in limitation ¹ | Compatible Energy Meter |
|----------|--------------------|---------------------------------------|------------|---------------------------|---------------------------------|---|
| SHxxRS | one / multiple | WiNet-S/S2 (each inv.) | yes (iSC) | no | no | n/a |
| | one | Energy Meter + WiNet-S/S2 | | yes | yes (iSC) | S100, DTSU666 (Delta grid) |
| SHxxRT | one / multiple | WiNet-S/S2 (each inv.) | | no | no | n/a |
| | one | Energy Meter + WiNet-S/S2 | | yes | yes (iSC) | DTSD1352-C/1 (6)A, DTSU666, DTSU666-20 ² |
| | multiple (up to 2) | Energy Meter + WiNet-S/S2 (each inv.) | | yes | yes (iSC) | DTSD1352-C/1 (6)A, DTSU666, DTSU666-20 ² |
| SH15-20T | one / multiple | WiNet-S/S2 (each inv.) | | yes (iSC) | no | no |
| | one | Energy Meter + WiNet-S2 | yes | | yes (iSC) | DTSU666, DTSU666-20 |
| | multiple (up to 2) | Energy Meter + WiNet-S2 (each inv.) | yes | | yes (iSC) | DTSU666, DTSU666-20 |

¹: Please always observe country-specific regulations; iSC: iSolarCloud ²: Not compatible with SHxxRT-V11

C&I:

| Inverter | Inverter Quantity | Devices | Monitoring | Consumption Visualization | Feed-in limitation ¹ | Energy Meter |
|-----------------------------------|-------------------------------------|--|---------------|---------------------------|----------------------------------|---|
| SGxxCX | one / multiple | WiNet-S/S2 (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, DTSU666-20, IEM3255, PZ96-E3, PD194EZ |
| | multiple | Energy Meter + COM100E ² | | yes | yes (COM100E) | |
| Energy Meter + EyeM4 ³ | | yes | | yes (EyeM4) | DTSD1352-C/1 (6)A, UMG604, EM610 | |
| SGxxCX-P2 | one / multiple | WiNet-S/S2 (each inv.) or COM100E ² | | no | no | n/a |
| | one | Energy Meter + WiNet-S/S2 | | yes | yes (iSC) | DTSD1352-C/1 (6)A, UMG604, EM610, DTSU666, DTSU666-20 [only 25-50CX-P2] |
| | | Energy Meter + COM100E | | yes | yes (COM100E) | DTSD1352-C/1 (6)A, UMGxx, EM610, DTSU666, DTSU666-20 |
| multiple | Energy Meter + COM100E ² | yes | yes (COM100E) | IEM3255, PZ96-E3, PD194EZ | | |

¹: Please always observe country-specific regulations; ²: Please check pages 9 and 10 for how many devices can be connected to COM100E; ³: Please check page 10 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/S2 | 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/S2 | 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/S2: max. 1 device COM100E: max. 5 devices** | |
| DTSD1352 6A* | no | WiNet-S/S2: max. 1 device COM100E: max. 5 devices** | CT from 3rd party manufacturer |
| DTSU666-20* | no | WiNet-S/S2: 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/S2 | 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/S2 | 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, 3x 250 A / 330 mV CT to be purchased separately |

* only with meter version bought from Sungrow ** also compatible with SHxxRT-V112, but not with SHxxRT-V11

EV-Charger

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

SH15-25T

Compatibility Overview



Communication

| | Part of delivery | Max. Support | Features / Comment |
|-----------------|------------------|---------------|-----------------------------------|
| WiNet-S2 | yes | max. 1 device | 10 sec. refresh, WiFi or Ethernet |

Energy Meters

| | Part of delivery | Feed-in limitation | Features / Comment |
|------------------------|------------------|--------------------------|--|
| DTSU666 5(80)A* | no | yes, 1 per host inverter | |
| DTSU666-20* | yes | yes, 1 per host inverter | 3x 100 A / 330 mV CT included, 3x 250 A / 330 mV CT to be purchased separately |

* only with meter version bought from Sungrow

SG33-125CX-P2

Compatibility Overview



Communication

| | Part of delivery | Max. Support | Features / Comment |
|-------------------|------------------|-------------------|--|
| WiNet-S/S2 | 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/S2 : 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/S2 (only UMG604) : max. 1 device COM100E (UMGxx): max. 30 devices** | 3rd party manufacturer |
| Weidmüller (EM610) | no | WiNet-S/S2 : max. 1 device COM100E: max. 30 devices** | 3rd party manufacturer |
| DTSU666* | no | WiNet-S/S2 : max. 1 device (only SG25-50CX-P2) 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/S2 : max. 1 device (only SG25-50CX-P2) 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/S2 | 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