SUNGROW

Clean power for all

SUNGROW INVERTERS, BATTERIES & HEMS

COMPATIBILITY LIST

12.12.2024 | VERSION 3.0

SUNGROW
Clean power for all

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, DTSU666, DTSU666-20
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/D		yes	yes (COM100E/D)	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, DTSU666-20
	Multiple (up to 2)	Energy Meter + WiNet-S/S2		yes	Yes (iSC)	S100, DTSU666, DTSU666-20
SHxxRT(-20)	one / multiple	WiNet-S/S2 (each inv.)	yes (iSC)	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]
SH15-25T	one / multiple	WiNet-S2 (each inv.)	yes (iSC)	no	no	n/a
	one	Energy Meter + WiNet-S2		yes	yes (iSC)	DTSU666, DTSU666-20
	multiple (up to 4)	Energy Meter + WiNet-S2 (each inv.)		yes	yes (iSC)	DTSU666, DTSU666-20
	Multiple (up to 8 with 5 CX)	Logger1000 and Energy meter to the logger–No WiNet-S2		Yes	Yes	All those compatible with Logger1000, DTSU666-20 recommended

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/D 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/D		yes	yes (COM100E/D)	DTSD1352-C/1 (6)A, UMGxx, EM610, DTSU666, DTSU666-20, IEM3255, PZ96-E3, PD194EZ
	multiple	Energy Meter + COM100E/D [2]		yes	yes (COM100E/D)	
		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/D [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/D		yes	yes (COM100E/D)	DTSD1352-C/1 (6)A, UMGxx, EM610, DTSU666, DTSU666-20 IEM3255, PZ96-E3, PD194EZ
	multiple	Energy Meter + COM100E/D [2]		yes	yes (COM100E/D)	

1: Please always observe country-specific regulations; 2: Please check pages 9 and 10 for how many devices can be connected to COM100E/D; 3: Please check page 10 for how many devices can be used with the EyeM4; iSC: iSolarCloud.

SUNGROW
Clean power for all

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	1x 100 A / 25 mA CT incl.
DTSU666*	no	max. 1 device	
DTSU666-20*	no	max. 1 device	1x 100 A / 333 mV CT or 1x 250 A / 333 mV CT to be purchased separately

* only with meter version bought from Sungrow

MLPE

	Part of delivery	Features / Comment
SP600S	no	Compatible only with SGxxRS V13

SUNGROW
Clean power for all

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
Logger1000 COM100E	no	max. 5 devices**	FTP push, connecting environm. sensors, daisy chain mode, WiFi or Ethernet
Logger1000A-EU COM100D-EU	no	max. 5 devices**	FTP push, connecting environm. sensors, daisy chain mode, WiFi, Ethernet or 4G

Energy Meters

	Part of delivery	Feed-in limitation	Features / Comment
DTSU666 5(80)A*	no	WiNet-S/S2: max. 1 device COM100E/D: max. 5 devices**	
DTSD1352 6A*	no	WiNet-S/S2: max. 1 device COM100E/D: max. 5 devices**	3x 5-6300 A / 5 A CT to be purchased separately
DTSU666-20*	no	WiNet-S/S2: max. 1 device COM100E/D: max. 5 devices**	3x 100 A / 333 mV CT or 3x 250 A / 333 mV CT to be purchased separately
Janitza (UMG)	no	COM100E/D: max. 5 devices**	3rd party manufacturer
Weidmüller (EM610)	no	COM100E/D: max. 5 devices**	3rd party manufacturer

* only with meter version bought from Sungrow   ** devices: inverters, energy meters, and irradiation sensors

SUNGROW
Clean power for all

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	1x 100 A / 25 mA CT incl.
DTSU666 5(80)A*	no	max. 1 device	For delta grid 3x 230 V operation without Neutral
DTSU666-20*	no	max. 1 device	1x 100 A / 333 mV CT or 1x 250 A / 333 mV CT to be purchased separately 2x 100A/333mV CT for ATS + Diesel Generator Microgrid mode to be purchased separately

* 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

SUNGROW
Clean power for all

SH5.0-10RT(-20)
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	3x 5-6300 A / 5 A CT to be purchased separately
DTSU666-20*/**	yes, for SHxxRT-20	yes, 1 per host inverter	3x 100 A / 333 mV CT included, 3x 250 A / 333 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
AC22E-01	no	max. 1 device	Compatible with SHRT V11, V112 and SHRT-20

SUNGROW
Clean power for all

iHomeManager
Compatibility Overview

Inverter	Communication device	Battery	AC Charger	iHomeManager
Max. Support		Max. Support*	Max. Support	
SG5.0-20RT up to 5	Winet-S	/	AC22E-01 up to 1	Compulsory
SH5.0-10RT-20 up to 5	Winet-S	SBR	AC22E-01 up to 1	Optional
SH5.0-25T up to 5	Winet-S2	SBR/SBH	AC22E-01 up to 1	Compulsory

*according to battery compatibility of specific models

SUNGROW
Clean power for all

SH15-25T
Compatibility Overview

Communication

	Part of delivery	Max. Support	Features / Comment
WiNet-S2	yes	max. 1 device	10 sec. refresh, WiFi or Ethernet
Logger1000 COM100E	no	max. 8 SHT and 5 CX(-P2) devices	
Logger1000A-EU COM100D-EU	no	max. 8 SHT and 5 CX(-P2) devices	

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 / 333 mV CT included, 3x 250 A / 333 mV CT to be purchased separately

* only with meter version bought from Sungrow

Y-Connector Compatibility

	Part of delivery	Features / Comment
SBR096-256	no	2 battery towers in parallel (same capacity, up to 51.2 kWh) – Not for DACH region
SBH100-400	no	2 battery towers in parallel (same capacity up to 80 kWh)

SUNGROW
Clean power for all

SBR064-256
Compatibility Overview

Inverter Compatibility

	Module range	Features / Comment
SH3.0/6.0RS (all)	SBR064-192	2 to 6 modules
SH5.0/10RT (all)	SBR064-256	SBR064 current limited to max 20A
SH15-25T (all)	SBR096-256	3* to 8 modules SBR096 power limited by battery – refer to SBR datasheet

* we recommend a minimum number of 4 battery modules

Battery Module Versions

Items	Remark	Article Number	SG Version
Battery SMR032	(orange)	ASA00165	V114
Battery	(blue)	ASA00282	V12
Battery	No color label	ASA00460	V13
BMS(Switch gear)	No color label	AST04689	-
BMS(Switch gear)	No color label	AST03129	-

Battery Module Compatibility (New Installation + Retrofit)

	V114	V12	V13
V114	Yes	No	Yes
V12	No	Yes	Yes
V13	Yes	Yes	Yes

![SUNGROW — Clean power for all]

SBR050
Compatibility Overview

Inverter Compatibility

	Features / Comment
SH3.0/6.0RS (all)	Ukraine market ONLY!
SH5.0/10RT	No
SH15-25T	No

Battery Module Version

Items	Remark	Article Number
2x Battery SMR025 +1x Empty module +1x BMS(Switch Gear)	Not compatible with SMR032 battery modules Compatible with all BMS versions	A-ST-06647

SUNGROW
Clean power for all

SBH100-400
Compatibility Overview
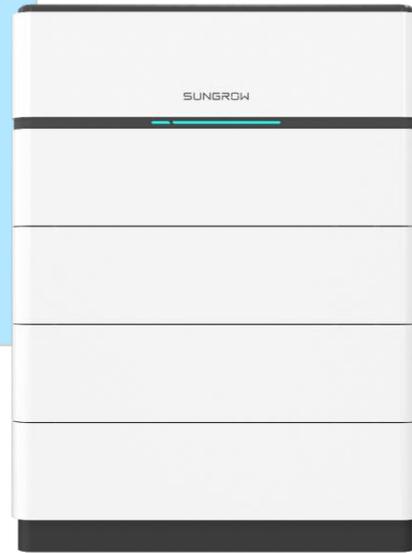
Inverter Compatibility

	Module range	Features / Comment
SH3.0/6.0RS (all)	NO	-
SH5.0/10RT (all)	NO	-
SH15-25T (all)	SBH100-400	2* to 8 modules SBH100 power limited by battery – refer to battery datasheet

* we recommend a minimum number of 3 battery modules

SUNGROW
Clean power for all

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
Logger1000 COM100E	no	max. 30 devices**	FTP push, connecting environm. sensors, daisy chain mode, WiFi or Ethernet
Logger1000A-EU COM100D-EU	no	max. 30 devices**	FTP push, connecting environm. sensors, daisy chain mode, WiFi, Ethernet or 4G

Energy Meters

	Part of delivery	Feed-in limitation	Features / Comment
DTSD1352 6A*	no	WiNet-S/S2 : max. 1 device COM100E/D: max. 30 devices** (SG33-50CX-P2) COM100E/D: max. 25 devices** (SG125CX-P2)	3x 5-6300 A / 5 A CT to be purchased separately
Janitza (UMG)	no	WiNet-S/S2 (only UMG604) : max. 1 device COM100E/D (UMGxx): max. 30 devices**	3rd party manufacturer
Weidmüller (EM610)	no	WiNet-S/S2 : max. 1 device COM100E/D: max. 30 devices**	3rd party manufacturer
DTSU666*	no	WiNet-S/S2 : max. 1 device (only SG25-50CX-P2) COM100E/D: max. 30 devices**	Currently, direct connection of DTSU666(-20) in single inverter scenarios only available for SG25-50CX-P2. DTSU666-20: 3 x 100 A / 333 mV or 3x 250 A / 333 mV CT to be purchased separately
DTSU666-20*	no	WiNet-S/S2 : max. 1 device (only SG25-50CX-P2) COM100E/D: max. 30 devices**	

* only with meter version bought from Sungrow   ** devices: inverters, energy meters, and irradiation sensors

SUNGROW
Clean power for all

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
Logger1000 COM100E	no	max. 30 devices**	FTP push, connecting environm. sensors, daisy chain mode, WiFi or Ethernet
Logger1000A-EU COM100D-EU	no	max. 30 devices**	FTP push, connecting environm. sensors, daisy chain mode, WiFi, Ethernet or 4G
EyeM4	no	max. 10 devices**	Daisy chain mode, WiFi

Energy Meters

	Part of delivery	Feed-in limitation	Features / Comment
DTSD1352 6A*	no	COM100E/D: max. 30 devices** (SG33-50CX) COM100E/D: max. 25 devices** (SG110CX) EyeM4: max. 10 devices**	3x 5-6300 A / 5 A CT to be purchased separately
Janitza (UMG)	no	COM100E/D (*UMGxx*): max. 30 devices** EyeM4 (*only UMG604*): max. 10 devices**	3rd party manufacturer
Weidmüller (EM610)	no	COM100E/D: max. 30 devices** EyeM4: max. 10 devices**	3rd party manufacturer

* only with meter version bought from Sungrow   ** devices: inverters, energy meters, and irradiation sensors

SUNGROW
Clean power for all

Logger1000A-EU
COM100D-EU
Logger1000B
COM100E
Compatibility
Overview
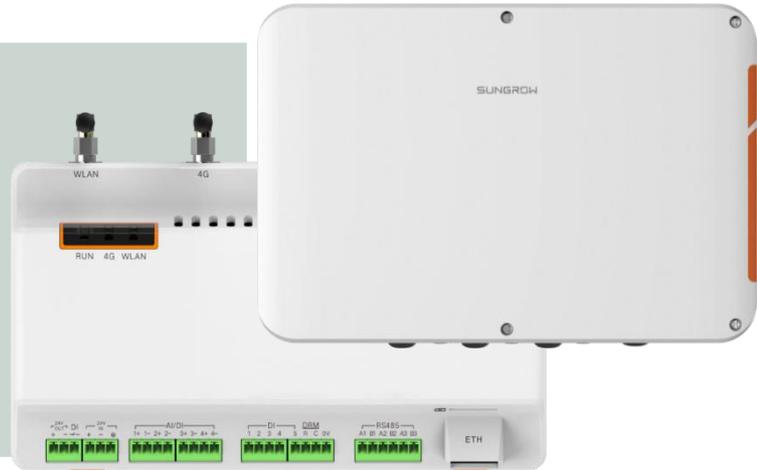
Inverters

Inverter	Logger Part of Delivery	Max. Support of Inverters
SG3.0-20RT	no	max. 5 devices
SH15-25T	no	max. 8 devices
SG33-110CX	no	max. 30 devices*
SG25-125CX-P2	no	max. 30 devices*
SH15-25T+SGxxCX(-P2)	no	max. 8 SHT + 5 CX(-P2)

* SG110CX & SG125CX-P2 max. 25 devices recommended

Energy Meters

	Part of delivery	Feed-in limitation	Features / Comment
DTSD1352 6A**	no	max. 30 devices*** (SG33-50CX&SG25-50CX-P2) ; max. 25 devices*** (SG110CX&SG125CX-P2)	3x 5-6300 A / 5 A CT to be purchased separately
DTSU666**	no	max. 30 devices***	CTs to be purchased separately
DTSU666-20**	no	max. 30 devices***	CTs to be purchased separately
Janitza (UMG)	no	max. 30 devices***	3rd party manufacturer
Weidmüller (EM610)	no	max. 30 devices***	3rd party manufacturer

** only with meter version bought from Sungrow   *** devices: inverters, energy meters, and irradiation sensors