

SUNGROW INVERTERS & BATTERIES COMPATIBILITY LIST

06.09.2024 | VERSION 2.9

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/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 (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
SH15-25T	one / multiple	WiNet-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/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
	multiple	Energy Meter + COM100E/D ²	yes	yes (COM100E/D)	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/D; 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	

MLPE

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

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**	CT from 3rd party manufacturer
DTSU666-20*	no	WiNet-S/S2: max. 1 device COM100E/D: max. 5 devices**	3x 100 A / 330 mV CT or 3x 250 A / 330 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

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

MLPE

	Part of delivery	Features / Comment
SP600S	no	Compatible only with SHxxRS 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

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

Battery module versions

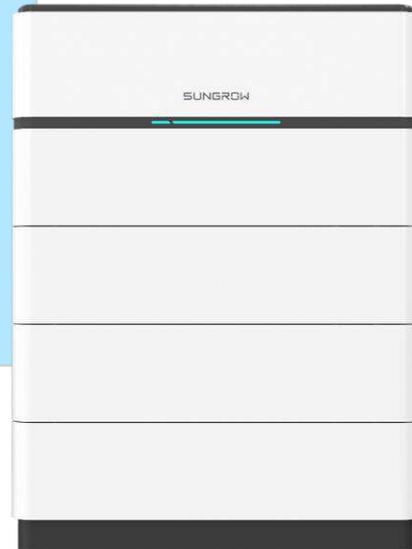
Items	Remark	Article Number	SG Version
Battery SMR032		ASA00165	V14
Battery		ASA00282	V12
Battery	No color label	ASA00460	V13
BMS(Switch gear)	No color label	AST04689	-
BMS(Switch gear)	No color label	AST03129	-

Battery module compatibility (New installation + Retrofit)

	V14	V12	V13
V14	Yes	No	Yes
V12	No	Yes	Yes
V13	Yes	Yes	Yes

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

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)	CT from 3rd party manufacturer
Janitza (UMG)	no	WiNet-S/S2 (<i>only UMG604</i>) : max. 1 device COM100E/D (<i>UMGxx</i>): 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 (<i>only SG25-50CX-P2</i>) COM100E/D: 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 (<i>only SG25-50CX-P2</i>) COM100E/D: 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
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**	CT from 3rd party manufacturer
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