

SUNGROW INVERTERS, BATTERIES & HEMS **COMPATIBILITY LIST**

01.07.2025 | VERSION 3.4

Residential PV

Inverter	Inverter Quantity	Devices	Monitoring	Consumption Visualization	Feed-in limitation ¹	Compatible Energy Meter
SGxxRS	one / multiple	WiNet-S/S2 or EyeS4-EU (each inv.)	yes (iSC)	no	no	n/a
	one	Energy Meter + WiNet-S/S2 or EyeS4-EU		yes	yes (iSC)	S100, DTSU666, DTSU666-20
SGxxRT	one / multiple	WiNet-S/S2 or EyeS4-EU (each inv.)		no	no	n/a
	one	Energy Meter + WiNet-S/S2 or EyeS4-EU		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 or EyeS4-EU (each inv.)	yes (iSC)	no	no	n/a
	one	Energy Meter + WiNet-S/S2 or EyeS4-EU		yes	yes (iSC)	S100, DTSU666, DTSU666-20
	Multiple (up to 2 ³)	Energy Meter + WiNet-S/S2		yes	Yes (iSC)	S100, DTSU666, DTSU666-20
SHxxRT(-20)	one / multiple	WiNet-S/S2 or EyeS4-EU (each inv.)		no	no	n/a
	one	Energy Meter + WiNet-S/S2 or EyeS4-EU		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 or EyeS4-EU (each inv.)	yes (iSC)	no	no	n/a
	one	Energy Meter + WiNet-S2 or EyeS4-EU		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 or CX-P2)	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 3: Zero feed-in needs to be set in order to function correctly (2x SHRS) 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 or EyeS4-EU	yes (iSC)	no	no	n/a
	one	Energy Meter + EyeM4 or WiNetS-2		yes	yes	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)	DTSD1352-C/1 (6)A, UMG604, EM610
		Energy Meter + EyeM4 ³		yes	yes	
SGxxCX-P2	one / multiple	WiNet-S/S2 (each inv.) or COM100E/D ²		no	no	n/a
	one	Energy Meter + WiNet-S/S2 or EyeS4-EU		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
EyeS4-EU	no	max. 1 device	10 sec. refresh, 4G

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

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
EyeS4-EU	no	max. 1 device	10 sec. refresh, 4G
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

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. 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 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 2x 100A/333mV CT for ATS + Diesel Generator Microgrid mode to be purchased separately 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

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
EyeS4-EU	no	max. 1 device	10 sec. refresh, 4G

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

iHomeManager

Compatibility Overview



Inverter	Max. Devices	Communication Device	Battery	AC Charger	Max. AC Chargers	iHM
SG5.0-20RT	up to 5	Winet-S	Not supported	AC22E-01	1	Compulsory
SH5.0-10RT-20 SH5.0-10RT (V11, V112)	up to 5	Winet-S	SBR	AC22E-01	1	Optional
SH5.0-25T	up to 5	Winet-S2	SBR/SBH	AC22E-01*	1	Compulsory
S450S** S800S** S1600S**	up to 15	iHomeManager	Not supported	Not supported	/	Optional

*Please note that the combination of AC22E-01 and SHT Hybrid inverter can only be used together with the iHomeManager

** Only for metering purposes to monitor the consumption in iSolarCloud

SH15-25T

Compatibility Overview



Communication

	Part of delivery	Max. Support	Features / Comment
WiNet-S2	yes	max. 1 device	10 sec. refresh, WiFi or Ethernet
EyeS4-EU	no	max. 1 device	10 sec. refresh, 4G
Logger1000 COM100E	no	max. 8 SHT and 5 CX or CX-P2 devices	
Logger1000A-EU COM100D-EU	no	max. 8 SHT and 5 CX or 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
DTSD1352-CT*	no	yes, 1 per host inverter	3x 5A secondary 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)

SBR064-256

Compatibility Overview



Inverter Compatibility

	Module range	Features / Comment
SH3.0/6.0RS (all)	SBR064-192	2 to 6 modules, max. 1 battery tower
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, max. 2 battery towers (used with Y-connector)

* we recommend a minimum number of 4 battery modules

Battery Module Versions

Items	Remark	Article Number	SG Version
Battery SMR032		ASA00165	V114
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)

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

SBR050

Compatibility Overview



Inverter Compatibility

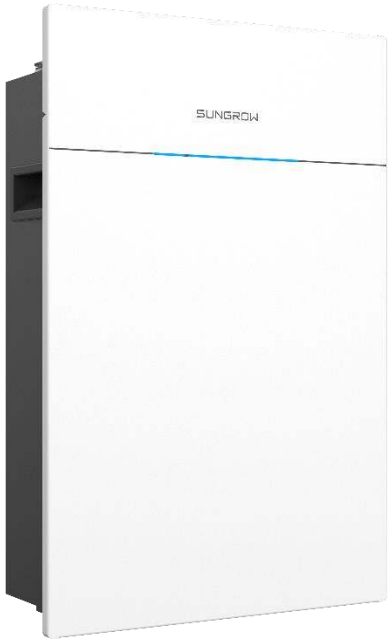
	Features / Comment
SH3.0/6.0RS (all)	Ukraine and Romanian market ONLY!
SH5.0/10RT	No
SH15-25T	No

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

SBS050

Compatibility
Overview

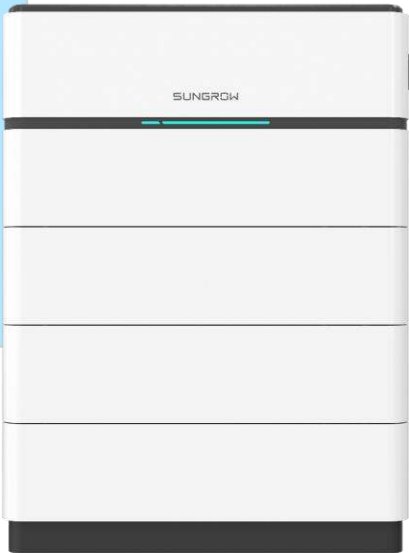


Inverter Compatibility

	Features / Comment
SH3.0/6.0RS (all)	Yes (up to 4x SBS050 in daisy-chain)
SH5.0/10RT	No
SH15-25T	No

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

Third party Batteries

Compatibility Overview

Third Party Battery Compatibility for Hybrid Inverters

	Battery model	Module range	Features / Comment
SH3.0/6.0RS (all)	BYD Battery Box Premium HVS	5.1/7.7/10.2	BMS version >= 3.16
	BYD Battery Box Premium HVM	8.3/11.0/13.8/16.6/19.3	BMS version >= 3.7
SH5.0/10RT (all)	BYD Battery Box HV	5.1/6.4/7.7/9.0/10.2/11.5	BMS version >= 3.013
	BYD Battery Box Premium HVS	5.1/7.7/10.2/12.8	BMS version >= 3.16
	BYD Battery Box Premium HVM	11.0/13.8/16.6/19.3/22.1	BMS version >= 3.7
	Pylontech Powercube X1/X2/H1/H2	X1/X2 at least 4 modules H1/H2 max 11 modules	BMS version >= 4.6
	Pylontech Force H1/H2	H1 at least 4 modules H2 between 2 to 4 modules	BMS version >= 1.3
SH15-25T (all)	NO	NO	NO

PowerStack ST225kWh-110kW-2h Compatibility Overview



General

	Compatibility	Features / Comment
ESS Standalone	≤25 units PowerStack 2h	if more than 25 units, multi-unit EMS master/slave solution not via Distribution
PV+ESS	≤25 units PowerStack ≤4 Logger1000 (A,B,A-EU) and ≤6MWp installed capacity	Logger needed for this setup. SGCX, SGCX-P2 the whole range is supported
PV+ESS+EV	≤25 units PowerStack ≤4 Logger1000 (A,B,A-EU) and ≤6MWp installed capacity ≤20 units IDC30E, IDC180E, IDC480E	Logger needed for this setup. SGCX, SGCX-P2 the whole range is supported

Communication

Type of EMS	Compatibility
Sungrow EMS	EMS300CP (please refer to the section “EMS300CP”)
Third-Party EMS	Successfully tested with: Eneris, Covolt, Ismaren

Energy Meters

Please refer to the section “EMS300CP”

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
EyeS4-EU	no	max. 1 device	10 sec. refresh, 4G
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

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

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

MLPE

	Part of delivery	Features / Comment
SP600S	no	Compatible only with SGxxCX-P2 V21

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
EyeS4-EU	no	max. 1 device	10 sec. refresh, 4G
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

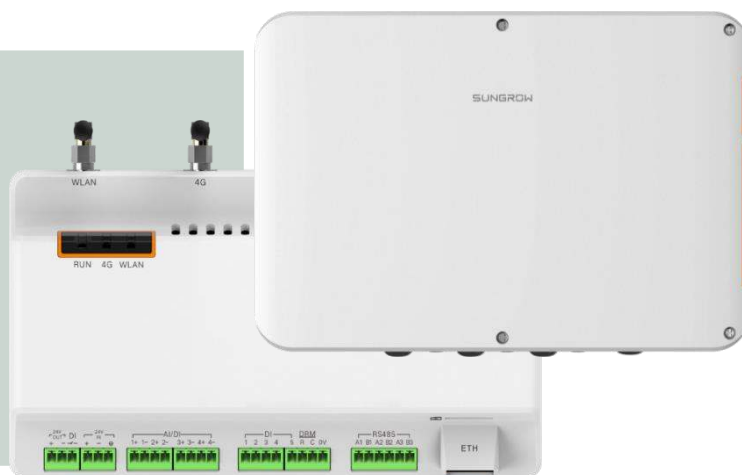
Energy Meters

	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** WiNet-S2 : max. 1 device	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** WiNet-S2 : max. 1 device	3rd party manufacturer
Weidmüller (EM610)	no	COM100E/D: max. 30 devices** EyeM4: max. 10 devices** WiNet-S2 : max. 1 device	3rd party manufacturer

* only with meter version bought from Sungrow

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

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 or SGxxCX-P2	no	max. 8 SHT + 5 CX or CX-P2

* SG110CX & SG125CX-P2 max. 25 devices recommended

Energy Meters

	Part of delivery	Feed-in limitation	Features / Comment
DTS1352 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***	
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

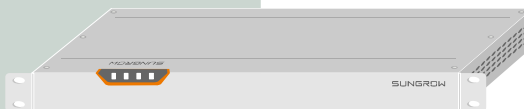
*** devices: inverters, energy meters, and irradiation sensors

MLPE

	Part of delivery	Features / Comment
SP600S	no	Compatible only with Logger1000A-EU/COM100D-EU in combination with SGxxCX-P2 V21

EMS300CP

Compatibility Overview



Communication Devices

	Part of delivery	Feed-in limitation	Features / Comment
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
Third-Party EMS	no	-	Successfully tested with: Eneris, Covolt, Ismaren

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

Energy Meters

	Part of delivery	Feed-in limitation	Features / Comment
DTSD1352 6A**	no	yes	CTs to be purchased separately
DTSU666-20**	no	yes	CTs to be purchased separately
Janitza (UMG604+104)	no	yes	3rd party manufacturer
Weidmüller (EM610)	no	yes	3rd party manufacturer

** only with meter version bought from Sungrow

EV Charging

	Part of delivery	Features / Comment
IDC30E & IDC180E & IDC480E	no	EMS300CP can control EVC start/stop, EMS can limit EVC power (Even distribution/first come first served)