SUNGROW INVERTERS, BATTERIES & HEMS

COMPATIBILITY LIST

01.06.2026 | VERSION 4.3

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 SGxxRT-P2*	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)	DTSU666, DTSU666-20[2]
	multiple (up to 2)	Energy Meter + WiNet-S/S2 (each inv.)		yes	yes (iSC)	DTSU666, DTSU666-20[2]
SHxxT	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; 2: Not compatible with SHxxRT-V11 3: Zero feed-in needs to be set in order to function correctly (2x SHRS)
*: SGxxRT-P2 and SHxxRS V13 only support SP600S compatibility, and UMG, EM610 are not compatible.

C&I:

Inverter	Inverter Quantity	Devices	Moni-toring	Consumption Visualization	Feed-in limitation [1]	Energy Meter
SG33-110CX	one / multiple	WiNet-S/S2 or COM100E/D or EyeM4 or EyeS4-EU	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
SG25-125CX-P2	one / multiple	WiNet-S/S2 or EyeS4-EU 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
		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)	
SG150CX	one / multiple	WiNet-S2 or EyeS4-EU or COM100E/D[2]		no	no	n/a
	one	Energy Meter + WiNet-S2 or EyeS4-EU		yes	yes (iSC)	DTSD1352-C/1 (6)A, UMG604, EM610, DTSU666-20
		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)	
SH125CX	one / multiple	COM100E/D[2]	Yes (iSC)	no	no	n/a
	one	Energy Meter + COM100E/D[2]		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 below how many devices can be connected to COM100E/D; 3: Please check below 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*	Yes	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 (-P2)

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 **Logger1000A-EU** **COM100D-EU**	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/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 Weidmüller (UMG) (EM610)	no	COM100E/D: max. 5 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 SGxxRT-P2 via WiNet-S2

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

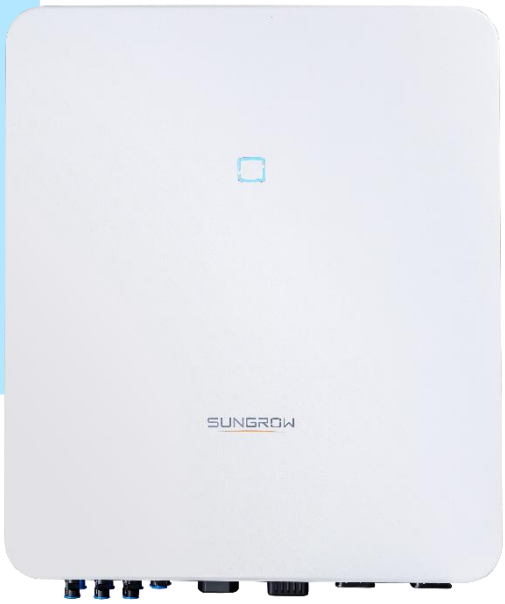
	Part of delivery	Max. Support	Features / Comment
AC007E-01	no	max. 1 device	Compatible with SHRS V11 and V13

MLPE

	Part of delivery	Features / Comment
SP600S	no	Compatible only with SHxxRS V13 via WiNet-S2

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	
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* AC22-G2*	Up to 3	Compulsory
SH5.0-10RT-20 **SH5.0-10RT** **(V11, V112)**	up to 5	Winet-S/S2	SBR	AC22E-01 AC22-G2*	1 Up to 3	Optional for 1 AC Charger Compulsory for 3 AC Charger
SH5.0-25T	up to 5	Winet-S2	SBR/SBH	AC22E-01* AC22-G2*	Up to 3	Compulsory
SH3.0-6RS	Up to 5	Winet S/S2	SBS/SBR	AC22E-01* AC22-G2*	Up to 3	Compulsory
S450S** **S800S**** **S1000S**** **S1600S****	up to 15	iHomeManager	Not supported	Not supported	/	Optional

*Please note these inverters and EV charger models can only be used together when connected to the iHomeManager
** Only for metering purposes to monitor the consumption in iSolarCloud, not for energy management

AC Charger

Compatibility Overview



AC Charger	Phase	iHM required	Max. AC Chargers	Communication Device	Inverter
AC007E-01	1	No	1	Winet-S/S2	SHRS
AC011E-01	3	No	1	Winet-S/S2	SHRT
AC22E-01 / AC22E-G2	1/3	No	1	Winet-S/S2	SHRT
		Yes	Up to 3	Winet-S	SGRT
				Winet-S2	SHT
				Winet-S/S2	SHRS, SHRT

Hybrid inverter compatibilities:
- SHT stands for versions SHT V11
- SHRT stands for versions SHRT V11, V112 and SHRT-20
- SHRS stands for versions SHRS V11 and V13

String Inverter compatibilities:
- SGRT stands for versions SGRT V11, V115

AC Chargers do not support Delta Grid.

SH5.0-25T

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	Compatible with all meters that are compatible with Logger1000
Logger1000A-EU **COM100D-EU**	no	max. 8 SHT and 5 CX or CX-P2 devices	Compatible with all meters that are compatible with Logger1000

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 / mV CT to be purchased separately 333

* 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 versions)	SBR064-192	2 to 6 modules, max. 1 battery tower
SH5.0/10RT (all versions)	SBR064-256	SBR064 current limited to max 20A, max. 1 battery tower
SH5.0-25T (all versions)	SBR096-256	3* to 8 modules SBR096 power limited by battery – refer to SBR datasheet, max. 2 battery towers (used with Y-connector)

* a minimum number of 4 battery modules is recommended for optimal performance

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	Stäubli Mc4
BMS(Switch gear)	No color label	AST03129	Sunclix

Battery Module Compatibility (New Installation + Retrofit)

	V114	**V12**	**V13**
V114	Yes	No	Yes
V12	No	Yes	Yes
13	Yes	Yes	Yes

SBR050-100

Compatibility Overview



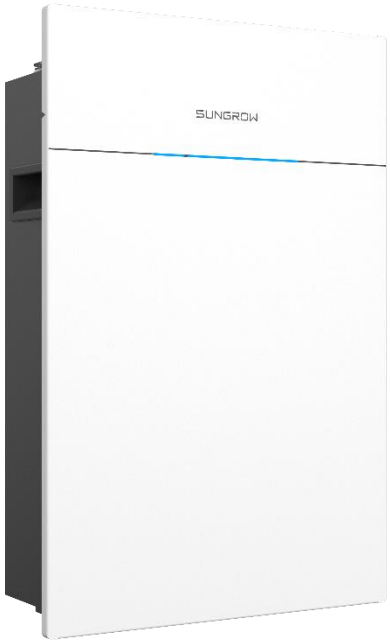
Inverter Compatibility

	Features / Comment
SH3.0/6.0RS (all versions)	UKR, RO, NL only
SH5.0/10RT	NL only
SH5.0-25T	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 V13	Yes (up to 4x SBS050 in daisy-chain)
SH3.0/6.0RS V11	Not compatible for SHRS V11 SN equipped with Sunclix connector
SH5.0/10RT	No
SH5.0-25T	No

SBH100-400

Compatibility Overview



Inverter Compatibility

	Module range	Features
SH3.0/6.0RS	NO	-
SH5.0/10RT V112 and -20	SBH150-400	3 to 8 modules, max 1 tower
SH5.0-25T (all versions)	SBH100-400	2 to 8 modules, max 2 towers with Y connector SBH100 power limited by battery – refer to battery datasheet

* a minimum number of 3 battery modules is recommended for optimal charge and discharging power performance

Third-party Batteries

Compatibility Overview

Third Party Battery Compatibility for Hybrid Inverters

	Battery model	Module range	Features / Comment
SH3.0/6.0RS (all versions)	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 versions)	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
SH5.0-25T (all versions)	NO	NO	NO

*SHRT / SHRS - compatible batteries can used with iHomeManager.

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”

PowerStack ST255kWh-125kW-2h Compatibility Overview



General

	Compatibility	Features / Comment
ESS Standalone	≤25 units PowerStack (On-grid) ≤20 units PowerStack (Off-grid)	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”

PowerKeeper ST050CF-ST250CF Compatibility Overview



General

	Compatibility	Features / Comment
Grid-connected PV & ESS	≤24 units SH125CX 1x Logger1000 (A, B, A-EU) Max. 250kWh per SH125CX	Max. 24 SH125CX can be used in parallel. Max. 250kWh per SH125CX
Retrofitting PV & ESS	≤24 units PV inverters + SH125CX (whereas max 2x SH125CX in backup) 1x Logger1000 (A, B, A-EU) Max. 250kWh per SH125CX	Max. 24 PV inverters + SH125CX can be used in parallel, whereas max. 2 SH125CX are allowed when backup is needed. Max. 250kWh per SH125CX
On/Off-grid switching PV & ESS	≤2 units SH125CX 1x Logger1000 (A, B, A-EU) Max. 250kWh per SH125CX	Max. 2 SH125CX can be used in parallel. Max. 250kWh per SH125CX

Communication

Type of EMS	Compatibility
Sungrow EMS	Logger1000 (A, B, A-EU) in combination with SH125CX (please refer to the section “Logger1000A-EU”)
Third-Party EMS	Third-party EMS can be integrated. Please contact Sungrow to receive the communication protocol

Energy Meters

Please refer to the section “Logger1000A-EU”

SH125CX
Compatibility Overview



Communication

	Part of delivery	Max. Support	Features / Comment
Logger1000 **COM100E**	no	max. 30 devices** (max. ≤24 units SH125CX)	FTP push, connecting environm. sensors, daisy chain mode, WiFi or Ethernet
Logger1000A-EU **COM100D-EU**	no	max. 30 devices** (max. ≤24 units SH125CX)	FTP push, connecting environm. sensors, daisy chain mode, WiFi, Ethernet or 4G

** devices: inverters, energy meters, and irradiation sensors. Please note that ≤24 SH125CX can be used in parallel

Energy Meters

	Part of delivery	Feed-in limitation	Features / Comment
DTSD1352 6A*	no	Logger (A, B, A-EU)/COM100E/D: max. 25 devices**	3x 5-6300 A / 5 A CT to be purchased separately
Janitza (UMG)	no	Logger (A, B, A-EU)/COM100E/D (*UMGxx*): max. 30 devices**	3rd party manufacturer
Weidmüller (EM610)	no	Logger (A, B, A-EU)/COM100E/D: max. 30 devices**	3rd party manufacturer
DTSU666-20*	no	Logger (A, B, A-EU)/COM100E/D: max. 30 devices**	DTSU666-20: 3 x 100 A / 333 mV or 3x 250 A / 333 mV CT to be purchased separately

* only with meter version bought from Sungrow

** devices: inverters, energy meters, and irradiation sensors. Please note that ≤24 SH125CX can be used in parallel

SG150CX

Compatibility Overview



	Part of delivery	Max. Support	Features / Comment
WiNet-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-S2 or EyeS4-EU: max. 1 device COM100E/D: max. 25 devices**	3x 5-6300 A / 5 A CT to be purchased separately
Janitza (UMG)	no	WiNet-S2 or EyeS4-EU (*only UMG604*): max. 1 device COM100E/D (*UMGxx*): max. 30 devices**	3rd party manufacturer
Weidmüller (EM610)	no	WiNet-S2 or EyeS4-EU: max. 1 device COM100E/D: max. 30 devices**	3rd party manufacturer
DTSU666-20*	no	WiNet-S2 or EyeS4-EU: max. 1 device COM100E/D: max. 30 devices**	DTSU666-20: 3 x 100 A / 333 mV or 3x 250 A / 333 mV CT to be purchased separately

* only with meter version bought from Sungrow

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

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 or EyeS4-EU: 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 or EyeS4-EU (*only UMG604*): max. 1 device COM100E/D (*UMGxx*): max. 30 devices**	3rd party manufacturer
Weidmüller (EM610)	no	WiNet-S/S2 or EyeS4-EU: max. 1 device COM100E/D: max. 30 devices**	3rd party manufacturer
DTSU666*	no	WiNet-S/S2 or EyeS4-EU: max. 1 device COM100E/D: max. 30 devices**	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 or EyeS4-EU: max. 1 device 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

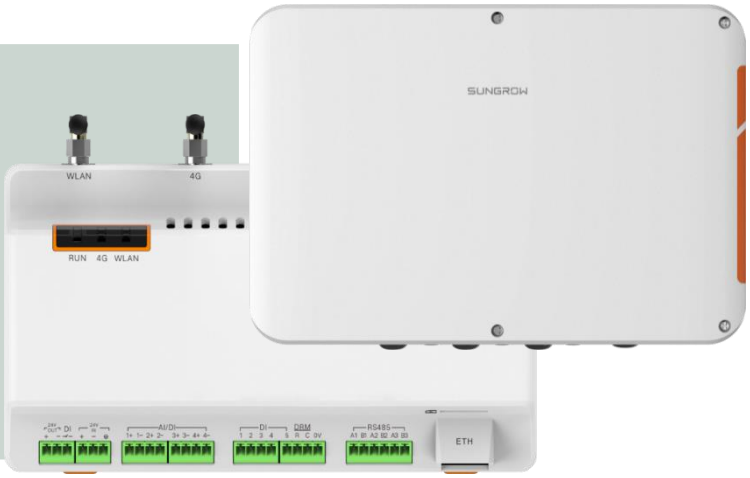
Energy Meters

	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**	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

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
SH5.0-25T	no	max. 8 devices
SG33-150CX	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
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***	
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	Please refer to Logger table for max. devices*	FTP push, connecting environm. sensors, daisy chain mode, WiFi or Ethernet The EMS300CP is compatible with all PV inverters supported by Logger 1000 & COM100E. Currently, the EMS300CP **cannot** control the SH125CX/PowerKeeper
Logger1000A-EU COM100D-EU	no	Please refer to Logger table for max. devices*	FTP push, connecting environm. sensors, daisy chain mode, WiFi, Ethernet or 4G The EMS300CP is compatible with all PV inverters supported by Logger 1000 & COM100E. Currently, the EMS300CP **cannot** control the SH125CX/PowerKeeper
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
DTSU666-20**	no	yes	CTs to be purchased separately. The EMS300CP doesn't support the 2CT meter function – two energy meters would be needed
DTSD1352 6A**	no	yes	CTs to be purchased separately
Janitza (UMG604+104)	no	yes	3rd party manufacturer
Weidmüller (EM610)	no	yes	3rd party manufacturer
Third-party Modbus access Meter ***	no	yes	3rd party manufacturer

** only with meter version bought from Sungrow ** if fast response times are required, it is strongly recommended to use a meter with a better response capability
*** Please consult Sungrow for the Third Party Modbus Protocol and refer to the how-to guidance in the EMS300CP user manual

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)