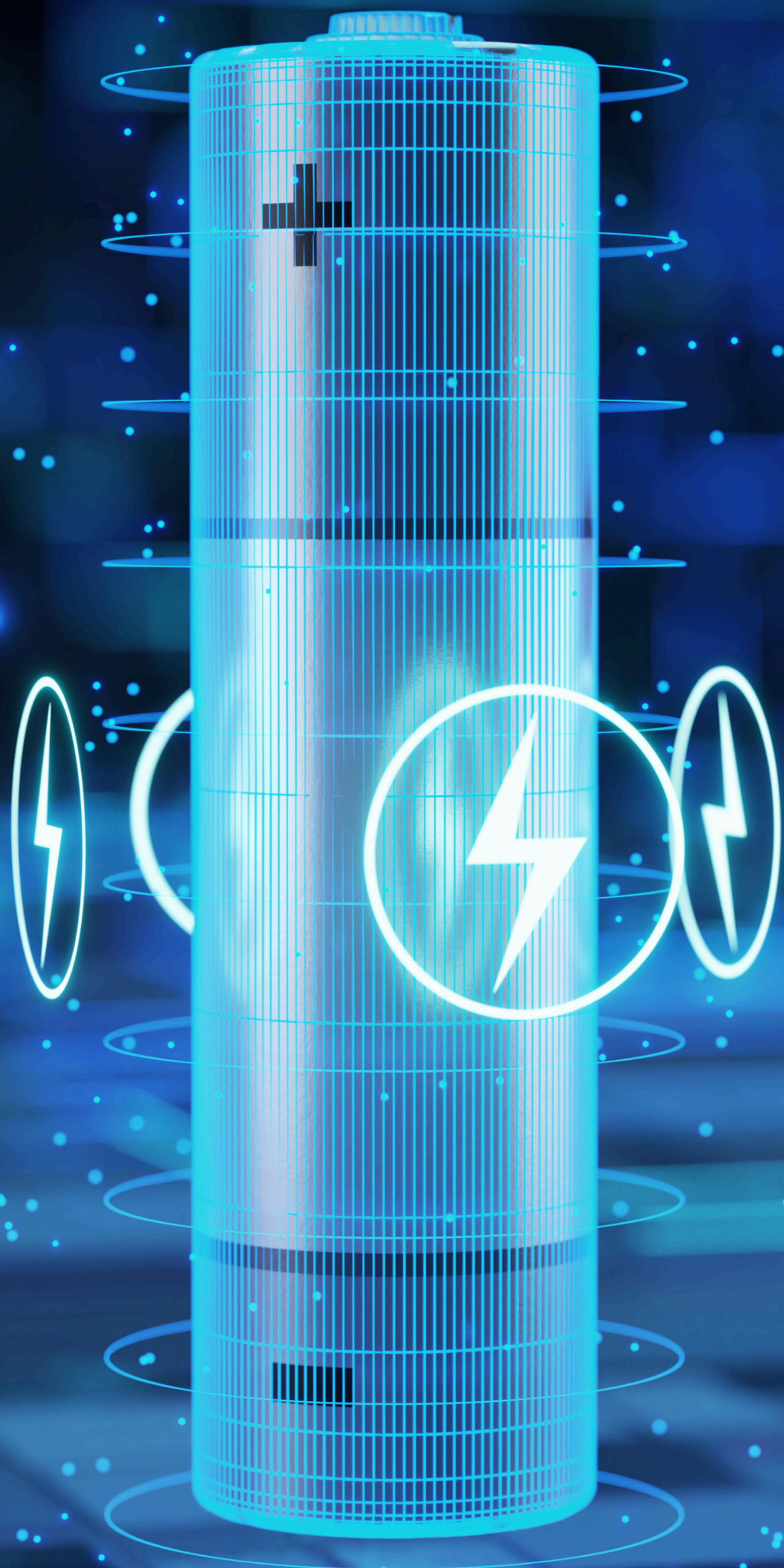


Energy storage solutions map



Comparative table of photovoltaic storage systems



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ENERGY STORAGE SOLUTIONS MAP

INVERTER	COMPATIBLE BATTERIES	PAGE
SolarEgde	SolarEdge - LG - BYD	3
Sungrow	Sungrow - BYD	4
Huawei	Huawei	5
ZCS Azzurro	ZCS Azzurro	6
Fronius	Fronius - BYD	7
SMA	SMA - BYD - LG	8

NOTE:

The most common combinations of batteries and inverters are shown in the manual.
 For other types of combinations and commercial information, please contact us: info@energetik.si

Inverter (series) Check or ask for the certificate in your country	Inverter type	Grid	Backup function	Load managment	Battery voltage	Compatible battery	Max inverter / system	Net capacity single battery module [kWh]	Warranty (y) (under the conditions of the Manufacturer)	Guaranteed capacity (%) (at the end of the warranty)	Total net capacity [kWh] (N° Battries for group x N° group - Opt.) (No. of batteries per group + No. of batteries per group - opt.)								
SE2200 3000 3500 3680 4000 5000 6000H-RW000BEN4 (Home Wave - Home Network Ready) with SESTI-S4	PV inverter	1PH	No	Yes I	HV	LG RESU 10H Prime	3	960	10	70%	9,60 (1)	19,20 (2)	—	—	—	—	-	-	-
	PV inverter	1PH	No	Yes I	HV	LG RESU 16H Prime	3	1,600	10	70%	16,00 (1)	32,00 (2)	—	—	—	—	-	-	-
	PV inverter	1PH	No	Yes I	HV	SolarEdge Home Battery 400V A	3	9,70 B	10	70%	9,70 (1)	19,40 (2) C	29,10 (3) C	—	—	—	-	-	-
SE3000 3500 3680 4000 5000 6000H-RWB00BF54 (StorEdge Home Hub)	Hybrid D	1PH	Yes F	Yes I	HV	SolarEdge Home Battery 400V A	3	9,70 B	10	70%	9,70 (1)	19,40 (2) C	29,10 (3) C	—	—	—	-	-	-
SE5 7 8 10K-RWS48BEN4 (StorEdge Home Network Ready)	Hybrid D	3PH	No	Yes I	LV	LG enblock C6.5	3	590	10	60%	5,90 (1)	11,80 (2) E	—	—	—	—	-	-	-
	Hybrid D	3PH	No	Yes I	LV	LG enblock C10	3	880	10	60%	8,80 (1)	17,60 (2) E	—	—	—	—	-	-	-
	Hybrid D	3PH	No	Yes I	LV	LG enblock C12	3	1,170	10	60%	11,70 (1)	23,40 (2) E	—	—	—	—	-	-	-
	Hybrid D	3PH	No	Yes I	LV	BYD Premium LVS	3	400	10	60%	4,00 (1)	8,00 (2)	12,00 (3)	16,00 (4)	20,00 (5)	24,00 (6)	-	-	-
	Hybrid D	3PH	No	Yes I	LV	SolarEdge Home Battery 48V	3	460	10	70%	4,60 (1)	9,20 (2)	13,80 (3)	18,40 (4)	23,00 (5)	—	-	-	-
SE5 8 10K-RWB48BFN4 (StorEdge Home Hub)	Hybrid D	3PH	Yes G	Yes I	LV	SolarEdge Home Battery 48V	3	460	10	70%	4,60 (1)	9,20 (2)	13,80 (3)	18,40 (4)	23,00 (5)	—	-	-	-
CSS-OD	Retrofit	3PH	Yes H	No	HV	SolarEdge CSS-OU-01-20-CA-B01-01	5	461	10	70%	92,16 (10+10)	184,32 2x(10+10)	—	—	—	—	-	-	-

NOTE*

A.Sesti-S4 battery interface not required

B.Usable energy 9.70 kWh with Home Network wireless communication; 9.50 kWh with RS485 communication

C.IAC-RBAT-RWYCBL-01 branch connectors required: 1 pair for 2 batteries, 2 pairs for 3 batteries

D.Can be used as a retrofit AC battery charger

E.Requires RESU Plus, possibility of combining batteries of different sizes

F.Backup with dedicated box SolarEdge Home Backup Interface BI-EU1P

G.Backup with dedicated box SolarEdge Home Backup Interface BI-NEUNU-3P-0

H.Backup with dedicated box SolarEdge Commercial Backup Interface in selected countries only

I.Via compatible Smart Home devices

Inverter (series) Check or ask for the certificate in your country	Inverter type	Grid	Backup function	Load managment	Battery voltage	Compatible battery	Max inverter / system	Net capacity single battery module [kWh]	Warranty (y) (under the conditions of the Manufacturer)	Guaranteed capacity (%) (at the end of the warranty)	Total net capacity [kWh]								
											(N° Battries for group x N° group - Opt.) (No. of batteries per group + No. of batteries per group - opt.)								
SH3.0 3.6 4.0 5.0 6.0RS	Hybrid A	1PH B	Yes	No	HV	Sungrow SBR	1	320	10	80% L	6,40 (2) E	9,60 (3)	12,80 (4)	16,00 (5)	19,20 (6)	–	–	–	–
	Hybrid A	1PH B	Yes	No	HV	Sungrow SBS	1	500	n.d.	n.d.	5,00 (1)	10,00 (2)	15,00 (3)	20,00 (4)					
	Hybrid A	1PH B	Yes	No	HV	BYD Premium HVS	1	256	10	60%	5,12 (2)	7,68 (3)	10,24 (4)	–	–	–	–	–	
	Hybrid A	1PH B	Yes	No	HV	BYD Premium HVM	1	276	10	60%	8,28 (3)	11,04 (4)	13,80 (5)	16,56 (6)	19,32 (7)	22,08 (8)	–	–	–
SH5.0 6.0 8.0 10RT(-20)	Hybrid C	3PH	Yes	Yes	HV	Sungrow SBR	2 D	320	10	80% L	9,60 (3)	12,80 (4)	16,00 (5)	19,20 (6)	22,40 (7)	25,60 (8)	–	–	–
	Hybrid C	3PH	Yes	Yes	HV	BYD Premium HVS	2 D	256	10	60%	5,12 (2)	7,68 (3)	10,24 (4)	12,80 (5)	–	–	–	–	–
	Hybrid C	3PH	Yes	Yes	HV	BYD Premium HVM	2 D	276	10	60%	11,04 (4)	13,80 (5)	16,56 (6)	19,32 (7)	22,08 (8)	–	–	–	–
SH15 20 25-T-V11	Hybrid	3PH	Yes	No	HV	Sungrow SBR	4 H-8 I	320	10	80% L	9,60 (3)	12,80 (4)	16,00 (5)	19,20 (6)	22,40 (7)	25,60 (8)	–	–	–
	Hybrid	3PH	Yes	No	HV	Sungrow SBH	4 H-8 I	500	10	80% M	10,00 (2)	15,00 (3)	20,00 (4)	25,00 (5)	30,00 (6)	35,00 (7)	40,00 (8)	20,00 (2x2) N	30,00 (3x2) N
											40,00 (4x2) N	50,00 (5x2) N	60,00 (6x2) N	70,00 (7x2) N	80,00 (8x2) N	–	–	–	–
	Hybrid	3PH	Yes	No	HV	BYD Premium HVS	4 H	256	10	60%	5,12 (2)	7,68 (3)	10,24 (4)	12,80 (5)	–	–	–	–	–
Hybrid	3PH	Yes	No	HV	BYD Premium HVM	4 H	276	10	60%	8,28 (3)	11,04 (4)	13,80 (5)	16,56 (6)	19,32 (7)	22,08 (8)	–	–	–	–
PowerStack ST225kWh-110kW-2h	Retrofit	3PH	Yes G	No	HV	Sungrow R0229BL-ACAA	10	22,900	n.d.	n.d.	229,00 (1)	–	–	–	–	–	–	–	–
PowerStack ST455kWh-110kW-4h	Retrofit	3PH	Yes G	No	HV	Sungrow R0458BL-ACAA	10	44,800	n.d.	n.d.	448,00 (1)	–	–	–	–	–	–	–	–

NOTE*

A. Can be used as a retrofit on the AC side

B Not possible use in 3ph system in compensation

C. Single inverter can be used as retrofit AC battery charger

D. Only same size inverter and battery, 3ph Sungrow meter required (external CTs to be added) - DTSD1352-C/1 (6)A if exchange >80A and/or 25 sqmm

E. To order SBR064 kit which includes 2 SBR032 batteries, 1 empty battery module and 1 SBRAcc accessory kit or alternatively all loose components

G. Backup with dedicated Sungrow panel, isolation transformer required

H. Possible use in retrofit also with 4 inverters in parallel of the same size equipped with Winet-S2, second set of CT at production side required on DTSU666-20 meter with CT equal to the one inserted at the grid connection point

I . Same size SHT, system management via COM100E, COM100A-V237, COM100D-EU and compatible meter connected to the Logger, only with SBH and SBR batteries, you can add up to 5 CX and/or CX-P2

L. For SBR064 SOH 60%, for SBR096-256 SOH 60% or 80% depending on the energy passed

M. SOH 60% or 80% depending on the energy passed

N. Need Y cable provided by Sungrow

Inverter (series) Check or ask for the certificate in your country	Inverter type	Grid	Backup function	Load managment	Battery voltage	Compatible battery	Max inverter / system	Net capacity single battery module [kWh]	Warranty (y) (under the conditions of the Manufacturer)	Guaranteed capacity (%) (at the end of the warranty)	Total net capacity [kWh]								
											(N° Battries for group x N° group - Opt.) (No. of batteries per group + No. of batteries per group - opt.)								
SUN2000-2 3 3.68 4 4.6 5 6KTL-L1	Hybrid A	1PH	Yes B-I	Yes H	HV	Huawei LUNA2000-5/10/15-S0	3 D	500	10	60%	5,00 (1)	10,00 (2)	15,00 (3)	20,00 (2+2/3+1)	25,00 (3+2)	30,00 (3+3)	-	-	-
	Hybrid A	1PH	Yes B-I	Yes H	HV	Huawei LUNA2000-7/14/21-S1	3 D	6.9	15	60%	6,90 (1)	13,80 (2)	20,70 (3)	27,60 L (2+2/3+1)	34,50 L (3+2)	41,40 L (3+3)	-	-	-
SUN2000-3 4 5 6 8 10KTL-M1	Hybrid A	3PH	Yes C-N	Yes H	HV	Huawei LUNA2000-5/10/15-S0	3	500	10	60%	5,00 (1)	10,00 (2)	15,00 (3)	20,00 (2+2/3+1)	25,00 (3+2)	30,00 (3+3)	-	-	-
	Hybrid A	3PH	Yes C-N	Yes H	HV	Huawei LUNA2000-7/14/21-S1	3	6.9	15	60%	6,90 (1)	13,80 (2)	20,70 (3)	27,60 (2+2/3+1)	34,50 (3+2)	41,40 (3+3)	-	-	-
SUN2000-5 6 8 10 12K-MAP0	Hybrid	3PH	Yes P	Yes H	HV	Huawei LUNA2000-5/10/15-S0	3 M	500	10	60%	5,00 (1)	10,00 (2)	15,00 (3)	20,00 (2+2/3+1)	25,00 (3+2)	30,00 (3+3)	-	-	-
	Hybrid	3PH	Yes P	Yes H	HV	Huawei LUNA2000-7/14/21-S1	3 M	6.9	15	60%	6,90 (1)	13,80 (2)	20,70 (3)	27,60 (2+2/3+1)	34,50 (3+2)	41,40 (3+3)			
SUN5000-8 12K-MAP0	Hybrid	3PH	Yes P	Yes H	HV	Huawei LUNA2000-5/10/15-S0	3 M	500	10	60%	5,00 (1)	10,00 (2)	15,00 (3)	20,00 (2+2/3+1)	25,00 (3+2)	30,00 (3+3)	-	-	-
	Hybrid	3PH	Yes P	Yes H	HV	Huawei LUNA2000-7/14/21-S1	3 M	6.9	15	60%	6,90 (1)	13,80 (2)	20,70 (3)	27,60 (2+2/3+1)	34,50 (3+2)	41,40 (3+3)	-	-	-
SUN2000-12 15 17 20 25K-MB0	Hybrid	3PH	Yes O	Yes H	HV	Huawei LUNA2000-5/10/15-S0	3 G	500	10	60%	5,00 (1)	10,00 (2)	15,00 (3)	20,00 (2+2/3+1)	25,00 (3+2)	30,00 (3+3)	35,00 (2+2 3)	40,00 (3+2 3)	45,00 (3+3 3)
				Yes H		Huawei LUNA2000-5/10/15-S0	3 G	500	10	60%	50,00 (2+2 3+3)	55,00 (3+2 3+3)	60,00 (3+3 3+3)	-	-	-	-	-	-
	Hybrid	3PH	Yes O	Yes H	HV	Huawei LUNA2000-7/14/21-S1	3 G	6.9	15	60%	6,90 (1)	13,80 (2)	20,70 (3)	27,60 (2+2/3+1)	34,50 (3+2)	41,40 (3+3)	48,30 (2+2 3)	55,20 (3+2 3)	62,10 (3+3 3)
				Yes H		Huawei LUNA2000-7/14/21-S1	3 G	6.9	15	60%	69,00 (2+2 3+3)	75,90 (3+2 3+3)	82,80 (3+3 3+3)	-	-	-	-	-	-
LUNA2000-107-1S11 F	Retrofit	3PH	No	No	HV	Huawei LUNA2000-54-2E1	20	5,370	n.d.	n.d.	107,50 (2)	-	-	-	-	-	-	-	-
LUNA2000-161-2S11 F	Retrofit	3PH	No	No	HV	Huawei LUNA2000-54-2E1	20	5,370	n.d.	n.d.	161,30 (3)	-	-	-	-	-	-	-	-
LUNA2000-215-2S10 F	Retrofit	3PH	Yes Q	No	HV	Huawei LUNA2000-54-2E1	20	5,370	n.d.	n.d.	215,00 (4)	-	-	-	-	-	-	-	-

NOTE*

A Single inverter usable as AC side retrofit; mandatory second meter downstream of 3th party production and communication via Smart Dongle WLAN-FE

B Separate backup on each individual inverter with a dedicated Backup Box-B0 box, deliverable power equal to the nominal power of the inverter, max. 5 kW

C Separate backup on each individual inverter with single-phase output with a dedicated Backup Box-B1 box, deliverable power 1/3 of the nominal power of the inverter, max. 3.3 kW

D Only on single-phase grid with CHINT-DDSU666-H 1 ph

F Standard use for self-consumption, possibility of operation for peak shaving, energy shifting, grid services, and other uses on request

G Maximum overall system capacity 100 kWh with communication via SmartLogger 3000A, 90 kWh with communication via Smart Dongle WLAN FE/4G

H EMMA-A02 Energy Management Assistant device required, which includes a smart meter

I Backup with dedicated SmartGuard-63A-S0 box including EMMA-A02 Energy Management Assistant allowed for 1 inverter per system, output power equal to the nominal power of the inverter, max. 5 kW

L 2 BMS LUNA2000-10KW-C1allowedonly via communication with EMMA-A02

M Parallel of 2 or 3 MAP0 is allowedonly via communication with EMMA-A02

N Backup with dedicated SmartGuard-63A-T0 box that includes EMMA-A02 Energy Management Assistant with 1ph output allowed for 1 inverter per system, output power 3 kW for 3KTL-M1;3.3 kW other inverters

O Backup with dedicated SmartGuard-63A-T0 box that includes EMMA-A02 Energy Management Assistant with 1ph output allowed for 1 inverter per system, output power 8.3 kW for all inverters

P Backup with a dedicated SmartGuard-63A-T0 box that includes EMMA-A02Energy Management Assistant with 3ph output, completely unbalanced, output power equal to the nominal power of the inverter

Q Maximum capacity ratio of inverter to ESS is 2:1, output power equal to the nominal power of the inverter

Inverter (series) Check or ask for the certificate in your country	Inverter type	Grid	Backup function	Load managment	Battery voltage	Compatible battery	Max inverter / system	Net capacity single battery module [kWh]	Warranty (y) (under the conditions of the Manufacturer)	Guaranteed capacity (%) (at the end of the warranty)	Total net capacity [kWh] (N° Batteries for group x N° group - Opt.) (No. of batteries per group + No. of batteries per group - opt.)								
1PH HYD3000 3680 4000 4600 5000 6000 ZP1	Hybrid A	1PH	Yes	Yes E	HV	Azzurro HV-ZBT-5K	2	461	10	n.d.	4,61 (1)	9,22 (2)	13,83 (3)	18,44 (4)	–	–	–	–	–
1PH HYD3000 3600 4000 4600 5000 6000 ZSS HP	Hybrid A	1PH	Yes	Yes E	LV	Azzurro LV ZSX5000 PRO	2	460	10	n.d.	4,60 (1)	9,20 (2)	13,80 (3)	18,40 (4)	–	–	–	–	–
	Hybrid A	1PH	Yes	Yes E	LV	Azzurro LV ZSX5000 S	2	460	10	n.d.	4,60 (1)	9,20 (2)	13,80 (3)	18,40 (4)	–	–	–	–	–
3000SP	Retrofit	1PH	Yes	Yes E	LV	Azzurro LV ZSX5000 PRO	1	460	10	n.d.	4,60 (1)	9,20 (2)	13,80 (3)	18,40 (4)	–	–	–	–	–
	Retrofit	1PH	Yes	Yes E	LV	Azzurro LV ZSX5000 S	2	460	10	n.d.	4,60 (1)	9,20 (2)	13,80 (3)	18,40 (4)	–	–	–	–	–
1PH BZT5000	Retrofit	1PH	Yes	Yes E	LV	Azzurro BZT5000	6	460	10	n.d.	4,60 (1)	–	–	–	–	–	–	–	–
3PH HYD5000 6000 8000 ZSS	Hybrid A	3PH	Yes	Yes E	HV	Azzurro HV-ZBT-5K + ZZB-BAT-ZBT5K	10	461	10	n.d.	4,61 (1)	9,22 (2)	13,83 (3)	18,44 (4)	–	–	–	–	–
	Hybrid A	3PH	Yes	Yes E	HV	Azzurro ZZT-BAT-AHV5K + ZZT-AHV5K-BDU	10	461	10	n.d.	4,61 (1)	9,22 (2)	13,83 (3)	18,44 (4)	23,05 (5)	27,66 (6)	32,27 (7)	36,88 (8)	–
3PH HYD10000 15000 20000 ZSS	Hybrid A	3PH	Yes	Yes E	HV	Azzurro HV-ZBT-5K + ZZB-BAT-ZBT5K	10	461	10	n.d.	4,61 (1)	9,22 (2)	13,83 (3)	18,44 (4)	23,05 (4+1)	27,66 (4+2)	32,27 (4+3)	36,88 (4+4)	–
	Hybrid A	3PH	Yes	Yes E	HV	Azzurro ZZT-BAT-AHV5K + ZZT-AHV5K-BDU D	10	461	10	n.d.	4,61 (1)	9,22 (2)	13,83 (3)	18,44 (4)	23,05 (5)	27,66 (6)	32,27 (7)	36,88 (8)	41,49 (8+1)
				Yes E							46,10 (8+2)	50,71 (8+3)	55,32 (8+4)	59,93 (8+5)	64,54 (8+6)	69,15 (8+7)	73,76 (8+8)	–	–
ZCS Azzurro Power Magic	Retrofit	3PH	No	No	HV	ZPM-215KLA-SC1	6 C	4,300	n.d.	n.d.	215,00 (5)	430,00 (5x2)	645,00 (5x3)	860,00 (5x4)	–	–	–	–	–
	Retrofit	3PH	No	No	HV	ZPM-258KLA-SC1	6 C	4,300	n.d.	n.d.	258,00 (6)	516,00 (6x2)	774,00 (6x3)	1032,00 (6x4)	–	–	–	–	–

NOTE*

A Single inverter that can be used as a retrofit AC battery charger; mandatory the second meter for the PV inverter

B The N° x 2 combinations with parallel channels can also be made N° + N° with independent channels

C A.Parallel box required

D Different combinations are also possible depending on the battery channel settings and the height of the installable battery tower

E Via ZCS Connext

Inverter (series) Check or ask for the certificate in your country	Inverter type	Grid	Backup function	Load managment	Battery voltage	Compatible battery	Max inverter / system	Net capacity single battery module [kWh]	Warranty (y) (under the conditions of the Manufacturer)	Guaranteed capacity (%) (at the end of the warranty)	Total net capacity [kWh] (N° Batteries for group x N° group - Opt.) (No. of batteries per group + No. of batteries per group - opt.)								
Primo GEN 24 3.0 3.6 4.0 4.6 5.0 6.0 (Plus) D	Hybrid A	1PH	Yes B	Yes	HV	BYD Premium HVS	1	256	10	60%	5,12 (2)	7,68 (3)	10,24 (2x2)	15,36 (3x2)	15,63 (2x3)	23,04 (3x3)	–	–	–
	Hybrid A	1PH	Yes B	Yes	HV	BYD Premium HVM	1	276	10	60%	11,04 (4)	13,80 (5)	16,56 (6)	19,32 (7)	22,08 (4x2)	27,60 (5x2)	33,12 (6x2)	38,64 (7x2)	33,12 (4x3)
	Hybrid A										41,40 (5x3)	46,68 (6x3)	57,96 (7x3)	–	–	–	–	–	–
	Hybrid A	1PH	Yes B	Yes	HV	Fronius Reserva	1	315	10	n.d.	6,31 (2)	9,47 (3)	12,62 (2x2)	18,93 (2x3)	25,24 (2x4)	18,94 (3x2)	28,41 (3x3)	37,88 (3x4)	–
Symo GEN 24 3.0 4.0 5.0 (Plus) D	Hybrid A	3PH	Yes B	Yes	HV	BYD Premium HVS	1	256	10	60%	5,12 (2)	7,68 (3)	10,24 (4)	–	–	–	–	–	–
	Hybrid A	3PH	Yes B	Yes	HV	BYD Premium HVM	1	276	10	60%	11,04 (4)	13,80 (5)	16,56 (6)	19,32 (7)	22,08 (8)	–	–	–	–
	Hybrid A	3PH	Yes B	Yes	HV	Fronius Reserva	1	315	10	n.d.	6,31 (2)	9,47 (3)	12,63 (4)	15,79 (5)	12,62 (2x2)	18,93 (2x3)	25,24 (2x4)	18,94 (3x2)	28,41 (3x3)
											37,88 (3x4)	25,26 (4x2)	37,89 (4x3)	50,52 (4x4)	31,58 (5x2)	47,37 (5x3)	63,16 (5x4)	–	–
Symo GEN 24 6.0 8.0 10.0 (Plus) D	Hybrid A	3PH	Yes C	Yes	HV	BYD Premium HVS	1	256	10	60%	5,12 (2)	7,68 (3)	10,24 (4)	10,24 (2x2)	15,36 (3x2)	20,48 (4x2)	15,63 (2x3)	23,04 (3x3)	30,72 (4x3)
	Hybrid A	3PH	Yes C	Yes	HV	BYD Premium HVM	1	276	10	60%	11,04 (4)	13,80 (5)	16,56 (6)	19,32 (7)	22,08 (8)	22,08 (4x2)	27,60 (5x2)	33,12 (6x2)	38,64 (7x2)
	Hybrid A										44,16 (8x2)	33,12 (4x3)	41,40 (5x3)	49,68 (6x3)	57,96 (7x3)	–	–	–	–
	Hybrid A	3PH	Yes C	Yes	HV	Fronius Reserva	1	315	10	n.d.	6,31 (2)	9,47 (3)	12,63 (4)	15,79 (5)	12,62 (2x2)	18,93 (2x3)	25,24 (2x4)	18,94 (3x2)	28,41 (3x3)
	Hybrid A										37,88 (3x4)	25,26 (4x2)	37,89 (4x3)	50,52 (4x4)	31,58 (5x2)	47,37 (5x3)	6,316	–	–
Symo GEN24 12.0 (Plus) SC D	Hybrid A	3PH	Yes C	Yes	HV	BYD Premium HVS	1	256	10	60%	5,12 (2)	7,68 (3)	10,24 (4)	10,24 (2x2)	15,36 (3x2)	20,48 (4x2)	15,63 (2x3)	23,04 (3x3)	30,72 (4x3)
	Hybrid A	3PH	Yes C	Yes	HV	BYD Premium HVM	1	276	10	60%	11,04 (4)	13,80 (5)	16,56 (6)	19,32 (7)	22,08 (8)	22,08 (4x2)	27,60 (5x2)	33,12 (6x2)	38,64 (7x2)
											44,16 (8x2)	33,12 (4x3)	41,40 (5x3)	49,68 (6x3)	57,96 (7x3)	–	–	–	–
	Hybrid A	3PH	Yes C	Yes	HV	Fronius Reserva	1	315	10	n.d.	6,31 (2)	9,47 (3)	12,63 (4)	15,79 (5)	12,62 (2x2)	18,93 (2x3)	25,24 (2x4)	18,94 (3x2)	28,41 (3x3)
											37,88 (3x4)	25,26 (4x2)	37,89 (4x3)	50,52 (4x4)	31,58 (5x2)	47,37 (5x3)	6,316	–	–

NOTE*
A Can be used as a retrofit AC battery charger
B Backup PV Point 3 kW 1ph even without battery and without additional devices, active output only in the event of a blackout, if you want to always have PV Point active, need to add 4,240,315,CK PV Point Comfort
C Backup PV Point 3 kW single-phase even without battery and without additional devices active output only in the event of a blackout, if you want to always have PV Point active, need to add 4,240,315,CK PV Point Comfort ; Full Backup up to maximum inverter power (<10 sec.) requires external box, battery and dedicated meter
D The versions without the "Plus" suffix have the PV Point function, but cannot have a battery connected, they can be upgraded to the "Plus" version via a Fronius UP license

Inverter (series) Check or ask for the certificate in your country	Inverter type	Grid	Backup function	Load managment	Battery voltage	Compatible battery	Max inverter / system	Net capacity single battery module [kWh]	Warranty (y) (under the conditions of the Manufacturer)	Guaranteed capacity (%) (at the end of the warranty)	Total net capacity [kWh] (N° Battries for group x N° group - Opt.) (No. of batteries per group + No. of batteries per group - opt.)								
SBSE3.6 4.0 5.0 6.0-50	Hybrid I	1PH	Yes A	Yes B	HV	SMA HS-BM-3.28-10	3 L	328	10	60%	3,28 (1)	6,56 (2)	9,84 (3)	13,12 (4)	–	–	–	–	–
	Hybrid I	1PH	Yes A	Yes B	HV	BYD Premium HVS	3 L	256	10	60%	5,12 (2)	7,68 (3)	10,24 (4)	–	–	–	–	–	–
	Hybrid I	1PH	Yes A	Yes B	HV	BYD Premium HVM	3 L	276	10	60%	8,28 (3)	11,04 (4)	13,80 (5)	16,56 (6)	19,32 (7)	22,08 (8)	–	–	–
STP5.0 6.0 8.0 10.0-3SE-40	Hybrid I	3PH	Yes	Yes B	HV	SMA HS-BM-3.28-10	1	328	10	60%	6,56 (2)	9,84 (3)	13,12 (4)	16,40 (5)	–	–	–	–	–
	Hybrid I	3PH	Yes	Yes B	HV	BYD Premium HVS	1	256	10	60%	5,12 (2)	7,68 (3)	10,24 (4)	12,16 (5)	10,24 (2x2)	15,36 (3x2)	20,48 (4x2)	24,32 (5x2)	15,36 (2x3)
											23,04 (3x3)	30,72 (4x3)	36,48 (5x3)	–	–	–	–	–	–
	Hybrid I	3PH	Yes	Yes B	HV	BYD Premium HVM	1	276	10	60%	11,04 (4)	13,80 (5)	16,56 (6)	19,32 (7)	22,08 (8)	22,08 (4x2)	27,60 (5x2)	33,12 (6x2)	38,64 (7x2)
											44,16 (8x2)	33,12 (4x3)	41,40 (5x3)	49,68 (6x3)	57,96 (7x3)	66,24 (8x3)	–	–	–
SBS3.7 5.0 6-0-10 F	Retrofit	1PH	Yes C	Yes B	HV	BYD Premium HVS	1	256	10	60%	5,12 (2) G	7,68 (3)	10,24 (4)	–	–	–	–	–	–
	Retrofit	1PH	Yes C	Yes B	HV	BYD Premium HVM	1	276	10	60%	8,28 (3) G	11,04 (4) H	13,80 (5)	16,56 (6)	19,32 (7)	22,08 (8)	–	–	–
	Retrofit	1PH	Yes C	Yes B	HV	LG RESU 10H Prime	1	960	10	70%	9,60 (1)	19,20 (2)	–	–	–	–	–	–	–
	Retrofit	1PH	Yes C	Yes B	HV	LG RESU 16H Prime	1	1,600	10	70%	16,00 (1)	32,00 (2)	–	–	–	–	–	–	–
STSX 30-20 M	Retrofit	3PH	Yes A	Yes B	HV	SMA Storage-30-20	50 D	800	10	70%	32,00 (4)	40,00 (5)	48,00 (6)	64,00 (4X2)	80,00 (5x2)	96,00 (6x2)	96,00 (4x3)	120,00 (5x3)	144,00 (6x3)
											128,00 (4x4)	160,00 (5x4)	192,00 (6x4)	–	–	–	–	–	–
STSX 50-20 M	Retrofit	3PH	Yes A	Yes B	HV	SMA Storage-50-20	50 D	800	10	70%	56,00 (7)	64,00 (8)	72,00 (9)	80,00 (10)	112,00 (7x2)	128,00 (8x2)	144,00 (9x2)	160,00 (10x2)	168,00 (7x3)
											192,00 (8x3)	216,00 (9x3)	240,00 (10x3)	224,00 (7x4)	256,00 (8x4)	288,00 (9x4)	320,00 (10x4)	–	–

NOTE*

A Manual backup via switch and consumption on a dedicated socket

B Sunny Home Manager HM-20 device required, which includes a meter

C Manual or automatic backup with dedicated panel, if single-phase system SB continues to work, if three-phase system STP switches off

D The System Manager must be SMA Data Manager M, otherwise, 10 devices

E Using compatible Moxa and Wago devices

F Possibility to insert up to 3 batteries using the 3 independent inputs (follow the dedicated SMA technical note)

G Recommended configuration with SBS 3.7-10

H Recommended configuration with SBS 3.7-10 and SBS 5.0-10

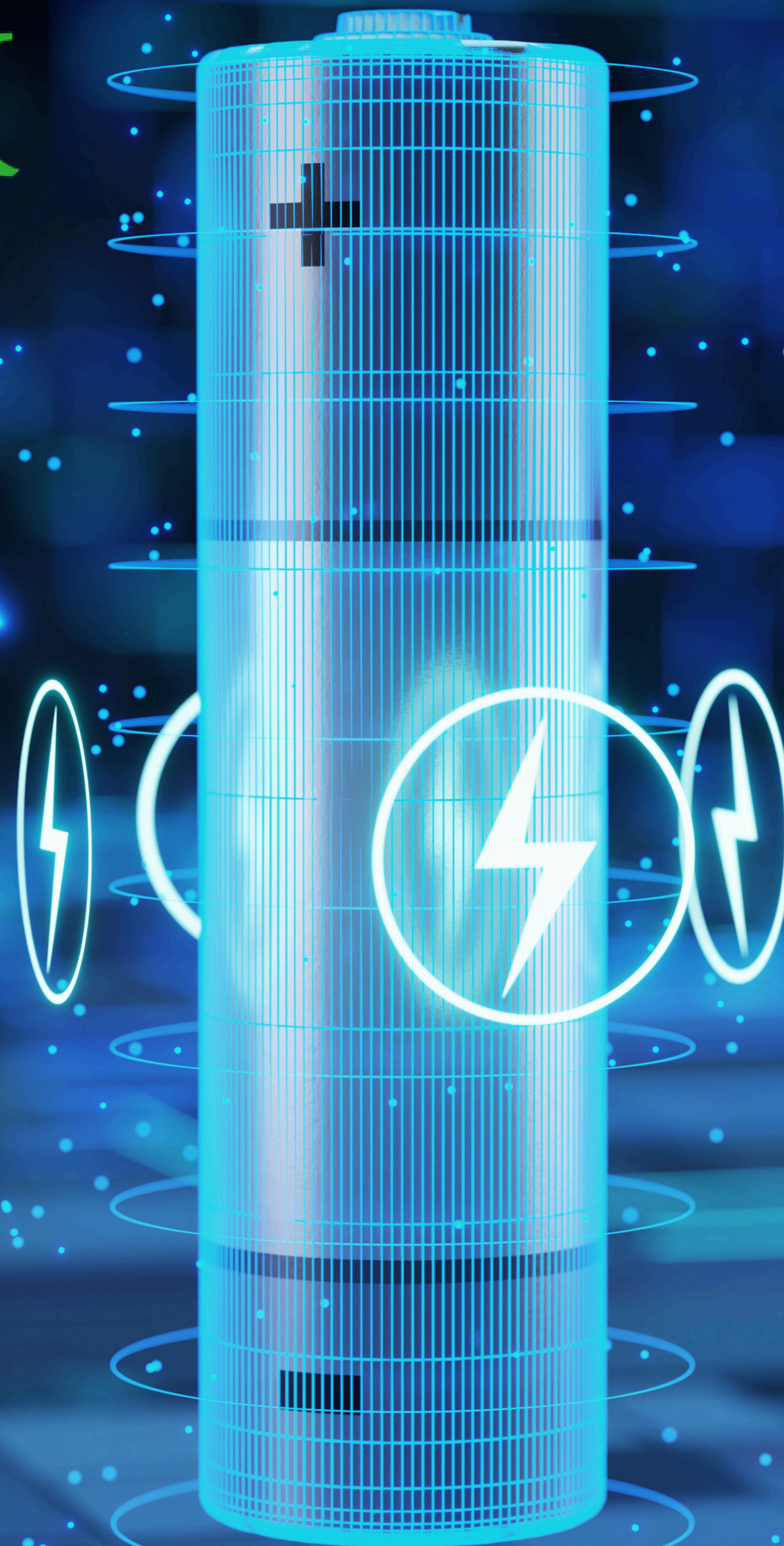
I Can be used as a retrofit on the AC side

L With System Manager SBSE it is possible to integrate up to 5 devices (e.g. 3 Sunny Boy Smart Energy, 1 PV inverter and 1 meter, maximum 3 batteries), if the System Manager is Sunny Home Manager maximum 1 SBSE per system

M Available only in selected Country. Commissioning only by a certified installer with in-person training or commissioning support by the paid SMA Service, depending on the Country



ENERGY STORAGE SOLUTIONS MAP
Comparative table of photovoltaic storage systems



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