

EWS energy storage portfolio – system combinations SMA

Manuf	acturer						SM	A			
Batte hybrid inv	ery- or verter type	Sunny Tripower Smart Energy 5.0 / 6.0 / 8.0 / 10.0		Sunny Boy Storage 3.7 / 5.0				Sunny Island 4.4M / 6.0H / 8.0H			Sunny Boy Storage 2.5
PV outp	ut in kWp	7,5 -	- 15,0		without	restriction			without res	triction	without restriction
	Single- phase		X		١	/			√		√
Phases	Three- phase	١	/			X			X		X
	Hybrid capable		/			X			X		X
Category	Battery-										
MDD	inverter			X				, and the second			<u> </u>
	racker		2			^			X		X
compatib	turers of le battery systems	BYD		(B LG Energy Solu			rgy Solution	BYD		(1) LG Energy Solution	BYD
Batter	y type	HVM	HVS	HVM	HVS	Enblock FLEX	Enblock Prime	LVS	LVL	Enblock C	HVS
Battery	High voltage	\checkmark	\checkmark	\checkmark	\checkmark	\checkmark	\checkmark	X	X	X	\checkmark
voltage	Low voltage	Χ	X	X	X	X	X	✓	√	✓	X
Usable ene	rgy capacity Vh)	11,0 – 22,1	5,1 – 12,8	8,3 – 22,1	5,1 – 10,2	8.6 – 17,2	9.6 – 16,0	4,0 – 24,0	15,36 – 30,72	5,9 – 23,4	5,1 – 10,2
Capacity at a lat	extension er time	√	√	√	√	✓	√	√	✓	✓	√
2.11	Lithium- Eisen- phosphat (LFP)	√	√	√	√	X	X	✓	✓	X	√
Cell echnology	Lithium- Nickel- Mangan- Cobalt (NMC)	X	X	X	X	√	✓	X	X	✓	X
Power	Charging	7,5 – 10,6	7,5 – 10,6	3,68 – 4,6	3,68 – 4,6	3,68 – 4,6	3,68 – 4,6	3,3 – 4,6	3,3 – 4,6	3,3 – 4,6	2,5
(kW)	Discharging	6,0 – 10,6	6,0 - 10,6	3,68 – 4,6	3,68 – 4,6	3,68 – 4,6	3,68 – 4,6	3,3 – 4,6	3,3 – 4,6	3,3 – 4,6	2,5
Off-Grid-fähig		X	X	X	X	X	X	√	√	X	X
nergency power	PV point (socket)	√	√	✓	√	√	✓	X	X	X	X
supply	1-3 circuits/ phase	Three-phase	Three-phase	Single-phase	Single-phase	Single-phase	Single-phase	Single-phase	Single-phase	X	X
Backup pow	ver capability	X	X	X	X	X	X	X	X	X	X
Storage ca electricity of (solar c	pacity + PV can be used harging)	\checkmark	√	√	√	√	√	√	√	X	X



EWS energy storage portfolio – system combinations Fronius

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Manufa	acturer					Fron	nius			
Batte hybrid inv	ery- or verter type	Symo GEN 24 Plus 6.0 / 8.0 / 10.0				Symo GEN 24 Plu	s 3.0 / 4.0 / 5.0	PRIMO GEN	124 3.0 / 3.6 / 4.0 / 4.6	
PV outpu	ut in kWp		9,0 – 1	5,0		4,5 – 7	7,5		4,5 – 6,9	
	Single- phase		X	,		X	,		√	
Phases	Three- phase		√	,		√	,		X	
	Hybrid capable		✓	,		✓	,		\checkmark	
Category	Battery-			·		✓	,		√	
MPP t	inverter	2				2	2			
Manufacturers of compatible battery storage systems		B	YD	(LG Energy Solution	B	YD	(1) LG Energy Solution	(LG Energy Solution		BYD
Batter	ry type	HVM	HVS	Enblock FLEX	HVM	HVS	Enblock FLEX	Enblock FLEX	HVM	HVS
Battery	High voltage	\checkmark	✓	\checkmark	\checkmark	√	\checkmark	✓	\checkmark	\checkmark
voltage	Low voltage	X	X	X	X	X	X	X	X	X
sable ener (kV	rgy capacity Wh)	11,0 – 22,1	5,12 – 10,24	8.6 – 17,2	11,0 – 22,1	5,12 – 10,24	8,6 – 12,9	8,6 – 12,9	11 – 19,3	5,12 – 7,7
Capacity at a lat	extension ter time	\checkmark	√	\checkmark	√	√	\checkmark	✓	√	\checkmark
2	Lithium- Eisen- phosphat (LFP)	√	√	X	√	√	X	X	√	√
Cell chnology	Lithium- Nickel- Mangan- Cobalt (NMC)	X	X	√	X	X	√	✓	X	X
Power (kW)	Charging	6,22 – 10,3	6,22 – 10,3	6,22 – 10,3	3,15 – 5,2	3,15 – 5,2	3,3 – 6,72	3,0 – 4,6	3,0 – 4,75	3,0 – 4,75
	Discharging	6,22 – 10,3	6,22 – 10,3	6,22 – 10,3	3,15 – 5,2	3,15 – 5,2	3,3 – 6,24	3,0 – 4,6	3,0 – 4,75	3,0 – 4,75
Off-Gri	d-fähig	X	X	X	X	X	X	X	X	X
nergency	PV point (socket)	√	√	√	√	√	X	X	X	X
power supply	1-3 circuits/ phase	Three-phase	Three-phase	Three-phase	Single-phase	Single-phase	X	Single-phase	Single-phase	Single-phase
ackup pow	ver capability	✓	√	√	X	X	X	✓	√	√
Storage ca electricity of (solar cl	pacity + PV can be used harging)	√	√	√	X	X	X	✓	√	√



EWS energy storage portfolio – system combinations FENECON

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Manufa	acturer		fenecon
Batte hybrid inv	ry- or verter type	Home 10	Home 20 / 30
PV outpu	ut in kWp	15	30,0 – 45,0
	Single- phase	X	X
Phases	Three- phase	✓	✓
	Hybrid capable	✓	✓
Category	Battery- inverter	✓	✓
MPP to		2	2/3
Manufac compatib storage	le battery	fenecon	fenecon
Batter	y type		
Battery	High voltage	✓	✓
voltage	Low voltage	X	X
Usable ener (kV	gy capacity Vh)	8,8 – 22,0	13,2 – 39,7
Capacity of at a late	extension er time	\checkmark	\checkmark
Cell	Lithium- Eisen- phosphat (LFP)	\checkmark	\checkmark
technology	Lithium- Nickel- Mangan- Cobalt (NMC)	X	X
Power (kW)	Charging	4,48 – 10,0	11,2 – 30,0
	Discharging	4,48 – 10,0	11,2 – 30,0
Off-Gri	d-fähig	X	X
Emergency power	PV point (socket)	X	X
supply	1-3 circuits/ phase	Three-phase	Three-phase
Backup pow	er capability	\checkmark	✓
Storage ca electricity c (solar cl	pacity + PV can be used	\checkmark	\checkmark



EWS energy storage portfolio – system combinations HUAWEI

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Manufacturer	₩ H	IUAWEI
Battery- or hybrid inverter type	Huawei Sun2000-3/4/5/6/8/10KTL-M1	Huawei Sun2000-2 / 3 / 4 / 4.6 / 5 / 6KTL-L1
PV output in kWp	4,5 – 15	bis 6,9
Single- phase	X	\checkmark
Phases Three- phase	\checkmark	X
Hybrid capable	\checkmark	\checkmark
Battery- inverter	\checkmark	✓
MPP tracker	2	2
Manufacturers of compatible battery storage systems	₩ HUAWEI	₩ HUAWEI
Battery type	Luna2000- 5- 15- S0	Luna2000- 5- 15- S0
High voltage	√	✓
voltage Low voltage	X	X
Usable energy capacity (kWh)	5 – 15	5 – 15
Capacity extension at a later time	✓	✓
Lithium- Eisen- phosphat (LFP)	\checkmark	✓
technology Lithium- Nickel- Mangan- Cobalt (NMC)	X	X
Power Charging	2,5 – 5 kW	2,5 – 5 kW
(kW) Discharging Off-Grid-fähig	2,5 – 5 kW	2,5 – 5 kW
On-Grid-laring	^	^
Emergency power PV point (socket)	X	X
supply 1-3 circuits/ phase	Single-phase	Single-phase
Backup power capability	X	X
Storage capacity + PV electricity can be used (solar charging)	✓	✓



EWS energy storage portfolio – system combinations LG ESS

Manuf	facturer	LG Electronics
Batte hybrid inv	ery- or verter type	LG ESS Home 8 / 10
PV outp	ut in kWp	12,0 – 15,0
	Single- phase	X
Phases	Three- phase	\checkmark
	Hybrid capable	\checkmark
Category	Battery- inverter	X
MPP t	tracker	3
compatib	cturers of ole battery systems	U LG Electronics
Batter	ry type	LG HBP 10H / 16H
Battery	High voltage	\checkmark
voltage	Low voltage	X
Usable ene (kV	rgy capacity Wh)	9,6-32,0
Capacity at a lat	extension ter time	\checkmark
Cell	Lithium- Eisen- phosphat (LFP)	\checkmark
technology	Lithium- Nickel- Mangan- Cobalt (NMC)	X
Power (kW)	Charging	5,0-7,0
	Discharging id-fähig	5,0 – 7,0 X
Emergency	PV point	X
power supply	1-3 circuits/ phase	Three-phase
Backup pow	ver capability	\checkmark
Storage ca electricity ((solar c	apacity + PV can be used charging)	\checkmark



EWS energy storage portfolio – system combinations KACO

facturer	KA	C O New energy.						
ery- or verter type	bluepla	net hybrid 10.0 TL3						
ut in kWp		15,0						
Single- phase		X						
Three- phase		✓						
Hybrid capable		\checkmark						
Battery- inverter		X						
tracker		2						
cturers of ble battery systems		BYD						
ry type	HVM	HVS						
High voltage	√	\checkmark						
Low voltage	X	X						
ergy capacity Wh)	8,3 – 22,1	5,1 – 10,2						
extension ter time	\checkmark	\checkmark						
Lithium- Eisen- phosphat (LFP)	\checkmark	\checkmark						
Lithium- Nickel- Mangan- Cobalt (NMC)	X	X						
Charging	2,5 – 10,0	2,5 – 10,0						
		2,5 – 10,0						
	V	V						
PV point (socket)	✓	✓						
1-3 circuits/ phase	Three-phase	Three-phase						
ver capability	\checkmark	\checkmark						
apacity + PV can be used charging)	\checkmark	\checkmark						
	ary- or verter type ut in kWp Single-phase Three-phase Hybrid capable Battery-inverter racker cturers of ole battery systems ry type High voltage Low voltage rgy capacity Wh) extension ter time Lithium-Eisen-phosphat (LFP) Lithium-Nickel-Mangan-Cobalt (NMC) Charging Discharging id-fähig PV point (socket) 1-3 circuits/phase	In the KWP Single-phase Flyand capability Flyand						



EWS energy storage portfolio – system combinations KOSTAL

								3.30		ARTON COLUMN		
Manuf	acturer					KOS	TAL					
Batte hybrid inv	ery- or verter type	Plenticor	re 3.0, 4.2, 5.5, 7.0, 8.5, 10.0	G2	Ple	Plenticore BI 5.5/26 - 10/26			PIKO MP Plus 3.0 / 3.6 / 4.6 / 5.0 -2		PIKO MP Plus 1.5-1 / 2.0-1 / 2.5-1 / 3.0-1 / 3.6-1	
PV outp	ut in kWp		15,0			without restriction		4,5	-6,9	2,3	- 5,4	
	Single- phase		Χ			Χ		,	/	✓		
Phases	Three- phase		√			√			X		<	
	Hybrid					X			/		<u>`</u>	
Category	capable Battery-							<u> </u>	<u></u>			
	inverter		V			✓ 		1		1		
	tracker		2			X						
compatib	cturers of ole battery systems	1 LG Energy Solution	G Energy Solution		© LG Energy Solution	BYD		BYD		BYD		
Batter		Enblock FLEX	HVM	HVS	Enblock FLEX	HVM	HVS	HVM	HVS	HVM	HVS	
Battery	High voltage	√	\checkmark	√	√	\checkmark	√	\checkmark	√	\checkmark	√	
voltage	Low voltage	X	Χ	X	X	X	Χ	Χ	X	X	X	
Usable ene (kV	rgy capacity Nh)	8,6 – 17,2	13,8 – 22,1	5,1 – 12,8	8,6 – 17,2	13,8 – 22,1	7,7 – 12,8	8,3 – 22,1	5,1 – 12,8	8,3 – 11,0	5,1 – 7,7	
Capacity at a lat	extension ter time	✓	√	✓	√	√	√	√	√	✓	✓	
Cell	Lithium- Eisen- phosphat (LFP)	X	√	√	X	√	√	√	√	√	√	
echnology	Lithium- Nickel- Mangan- Cobalt (NMC)	√	X	X	√	X	X	X	X	X	X	
Power	Charging	3,45 – 6,5	2,66 – 5,32	2,66 – 6,5	5,5 – 10,0	5,5 – 10,0	5,5 – 10,0	2,0 - 5,0	2,66 – 5,0	1,5 – 3,6	1,5 – 3,6	
(kW)	Discharging	3,45 – 6,5	2,66 – 5,32	2,66 – 6,5	5,5 – 10,0	5,5 – 10,0	5,5 – 10,0	2,0 – 5,0	2,66 – 5,0	1,5 – 3,6	1,5 – 3,6	
Off-Gri	id-fähig	X	X	X	X	X	X	X	X	X	X	
mergency power	PV point (socket)	X	X	X	X	X	X	X	X	X	X	
supply	1-3 circuits/ phase	X	X	X	X	X	X	X	X	X	X	
	ver capability	X	X	X	X	X	X	X	X	X	X	
Storage ca electricity of (solar c	pacity + PV can be used harging)	X	X	X	X	X	X	X	X	X	X	

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EWS energy storage portfolio – system combinations TIGO

Manufa	acturer	Tigo®	
Batte hybrid inv	ery- or verter type	TigoTSI- 6 / 10 / 15K3D	
PV outpu	ut in kWp	5,0 – 18,0	
	Single- phase	X	
Phases	Three- phase	✓	
	Hybrid	\checkmark	2
Category	capable Battery-	X	,00,00
MPP t	inverter	2	0.000
			40
Manufac compatib storage	le battery	Tigo [®]	Jildom o
Batter	ry type	El Batteriespeicher TSB	4 74
Battery	High voltage	\checkmark	200
voltage	Low voltage	X	informati
Usable ener (kV	rgy capacity Vh)	5,5 – 10,9	for the
Capacity at a lat	extension ter time	\checkmark	tilideil oc
Cell	Lithium- Eisen- phosphat (LFP)	\checkmark	0,0
technology	Lithium- Nickel- Mangan- Cobalt (NMC)	X	0 0 0
Power	Charging	5,1 – 10,2	0
(kW)	Discharging	5,1 – 10,2	Ĺ
Off-Gri	id-fähig	\checkmark	
Emergency power	PV point (socket)	X	
supply	1-3 circuits/ phase	Three-phase	
Backup pow	er capability	\checkmark	
Storage ca electricity c (solar cl	pacity + PV can be used harging)	\checkmark	



EWS energy storage portfolio – system combinations RCT

Manufa	acturer	11.0	ower .		
Batte hybrid inv	ry- or verter type	Power Strorage DC 4 / 6 / 8 / 10	Power Storage AC 4 / 6		
PV outpu	ut in kWp	6,6 – 16,5	without restriction		
	Single- phase	X	X		
Phases	Three- phase	✓	✓		
	Hybrid capable	✓	X		
Category	Battery- inverter	✓	✓		
MPP tı		2	0		
Manufac compatib storage	le battery	RCT*	RCT*		
Batter	y type	Power Battery	Power Battery		
Battery	High voltage	✓	✓		
voltage	Low voltage	X	X		
Usable ener (kV	rgy capacity Vh)	3,46 – 10,37	3,46 – 10,37		
Capacity of	extension er time	\checkmark	\checkmark		
	Lithium- Eisen- phosphat (LFP)	✓	✓		
Cell echnology		X	X		
Power	Charging	3,0 – 11,53	4,0 / 6,0		
	Discharging	3,0 – 11,53	4,0 / 6,0		
Off-Gri	d-fähig	√	X		
nergency power	PV point (socket)	X	X		
supply	1-3 circuits/ phase	Three-phase	X		
Backup pow	er capability	✓	X		
Storage car electricity c (solar ch	pacity + PV an be used	✓	X		



EWS energy storage portfolio – system combinations Solaredge

					3.	CALL TO SERVICE STATE OF THE PARTY OF THE PA	AL REAL PROPERTY.	
Manufa	acturer			sola	redge			
Batter hybrid inve	ry- or erter type	Home Hub 5 / 8 / 10- RWB48	SE 2200 / 3000 / 3500 / 3680 / 4000 / 5000H Storedge HD- Wave					
PV outpu	t in kWp	7,0 – 15,0		6,75 – 13,5		3,4 – 7,75		
	Single- phase	X		X			✓	
Phases -	Three- phase	✓		✓			Χ	
	Hybrid capable	✓		√			√	
ategory -	Battery- inverter	√		√			\checkmark	
MPP tr	racker	X		X		X		
Manufact compatibl storage s	le battery	solar <mark>edge</mark>	solar <mark>ed</mark> ge	BYD	(LG Energy Solution	solar <mark>ed</mark> ge	(LG Energy Solution	
Battery	y type	SE- Bat-05K48	SE- Bat-05K48	LVS	Enblock C	SE- BAT-10K1P	Enblock Prime	
Battery	High voltage	X	X	X	X	\checkmark	✓	
voltage	Low voltage	\checkmark	\checkmark	\checkmark	\checkmark	X	X	
Jsable ener (kW	gy capacity /h)	4,6 – 23,0	4,6 – 23,0	4,0 – 24,0	5,9 – 11,7	9,7	9,6, 13,0	
Capacity e	extension er time	✓	√	✓	✓	✓	✓	
Cell -	Lithium- Eisen- phosphat (LFP)	✓	√	√	X	\checkmark	X	
chnology	Lithium- Nickel- Mangan- Cobalt (NMC)	X	X	X	✓	X	✓	
Power	Charging	5,0	2,83 – 5,0	5,0	4,2 – 5,0	2,2 – 5,0	2,2 – 5,0	
	Discharging	5,0	2,83 – 5,0	5,0	4,2 – 5,0	2,2 – 5,0	2,2-5,0	
Off-Grid	d-fähig	X	X	X	X	X	X	
nergency power	PV point (socket)	X	X	X	X	X	X	
supply	1-3 circuits/ phase	Three-phase	X	X	X	X	X	
ackup powe	er capability	✓	X	X	X	X	X	
Storage cap electricity ca (solar ch	pacity + PV an be used narging)	√	X	X	X	X	X	



EWS energy storage portfolio – system combinations SOLIS

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Manufa	acturer			solis			
Batte hybrid inv	ry- or verter type	S6-EH3P 5	/ 6 / 8 / 10K-H-EU	RHI-3P 5 / 6 / 8 / 10 K-HVES-5G			
PV outpu	ut in kWp	8,6	0 – 16,0	8,0 -	- 16,0		
	Single- phase		Χ		Κ		
Phases	Three- phase		✓	,			
	Hybrid capable		\checkmark	,	/		
ategory	Battery- inverter		✓		/		
MPP to			3 – 4		2		
Manufac compatib storage	le battery		3 ¹ /D	B	BYD		
Batter	y type	HVM	HVS	HVM	HVS		
Battery	High voltage	✓	✓	✓	✓		
voltage	Low voltage	X	X	X	X		
Jsable ener (kV	rgy capacity Vh)	8,3 – 22,1	5,1 – 12,8	11 – 22,1	5,1 – 12,8		
Capacity of at a late	extension er time	\checkmark	\checkmark	\checkmark	\checkmark		
Cell	Lithium- Eisen- phosphat (LFP)	\checkmark	✓	√	✓		
echnology	Lithium- Nickel- Mangan- Cobalt (NMC)	X	X	X	X		
Power (kW)	Charging	5,0 – 10,0	5,0 – 10,0	5,0 – 10,0	5,0 – 10,0		
(KVV)	Discharging	5,0 – 10,0	5,0 – 10,0	5,0 – 10,0	5,0 – 10,0		
Off-Gri	d-fähig	√	X	X	X		
nergency power	PV point (socket)	X	X	X	X		
supply	1-3 circuits/ phase	Three-phase	Three-phase	Three-phase	Three-phase		
	er capability	X	X	X	X		
Storage ca electricity c (solar cl	pacity + PV can be used harging)	\checkmark	✓	✓	\checkmark		