



Manufacturer		SMA									
Battery- or hybrid inverter 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 output in kWp		7,5 – 15,0		without restriction				without restriction			without restriction
Phases	Single-phase	X		✓				✓			✓
	Three-phase	✓		X				X			X
Category	Hybrid capable	✓		X				X			X
	Battery-inverter	✓		✓				✓			✓
MPP tracker		2		X				X			X
Manufacturers of compatible battery storage systems		BYD		BYD		LG Energy Solution		BYD		LG Energy Solution	
Battery type		HVM	HVS	HVM	HVS	Enblock FLEX	Enblock Prime	LVS	LVL	Enblock C	HVS
Battery voltage	High voltage	✓	✓	✓	✓	✓	✓	X	X	X	✓
	Low voltage	X	X	X	X	X	X	✓	✓	✓	X
Usable energy capacity (kWh)		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 extension at a later time		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Cell technology	Lithium-Eisen-phosphat (LFP)	✓	✓	✓	✓	X	X	✓	✓	X	✓
	Lithium-Nickel-Mangan-Cobalt (NMC)	X	X	X	X	✓	✓	X	X	✓	X
Power (kW)	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
	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
Emergency power supply	PV point (socket)	✓	✓	✓	✓	✓	✓	X	X	X	X
	1-3 circuits/phase	Three-phase	Three-phase	Single-phase	Single-phase	Single-phase	Single-phase	Single-phase	Single-phase	X	X
Backup power capability		X	X	X	X	X	X	X	X	X	X
Storage capacity + PV electricity can be used (solar charging)		✓	✓	✓	✓	✓	✓	✓	✓	X	X

Manufacturer											
Battery- or hybrid inverter type		Symo GEN 24 Plus 6.0 / 8.0 / 10.0			Symo GEN 24 Plus 3.0 / 4.0 / 5.0			PRIMO GEN24 3.0 / 3.6 / 4.0 / 4.6			
PV output in kWp		9,0 – 15,0			4,5 – 7,5			4,5 – 6,9			
Phases	Single-phase	X			X			✓			
	Three-phase	✓			✓			X			
Category	Hybrid capable	✓			✓			✓			
	Battery-inverter	✓			✓			✓			
MPP tracker		2			2			2			
Manufacturers of compatible battery storage systems											
Battery type		HVM	HVS	Enblock FLEX	HVM	HVS	Enblock FLEX	Enblock FLEX	HVM	HVS	
Battery voltage	High voltage	✓	✓	✓	✓	✓	✓	✓	✓	✓	
	Low voltage	X	X	X	X	X	X	X	X	X	
Usable energy capacity (kWh)		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 extension at a later time		✓	✓	✓	✓	✓	✓	✓	✓	✓	
Cell technology	Lithium-Eisen-phosphat (LFP)	✓	✓	X	✓	✓	X	X	✓	✓	
	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-Grid-fähig		X	X	X	X	X	X	X	X	X	
Emergency power supply	PV point (socket)	✓	✓	✓	✓	✓	X	X	X	X	
	1-3 circuits/phase	Three-phase	Three-phase	Three-phase	Single-phase	Single-phase	X	Single-phase	Single-phase	Single-phase	
Backup power capability		✓	✓	✓	X	X	X	✓	✓	✓	
Storage capacity + PV electricity can be used (solar charging)		✓	✓	✓	X	X	X	✓	✓	✓	







Manufacturer		 fenecon	
Battery- or hybrid inverter type		Home 10	Home 20 / 30
PV output in kWp		15	30,0 – 45,0
Phases	Single-phase	X	X
	Three-phase	✓	✓
Category	Hybrid capable	✓	✓
	Battery-inverter	✓	✓
MPP tracker		2	2 / 3
Manufacturers of compatible battery storage systems		 fenecon	 fenecon
Battery type			
Battery voltage	High voltage	✓	✓
	Low voltage	X	X
Usable energy capacity (kWh)		8,8 – 22,0	13,2 – 39,7
Capacity extension at a later time		✓	✓
Cell technology	Lithium-Eisen-phosphat (LFP)	✓	✓
	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-Grid-fähig		X	X
Emergency power supply	PV point (socket)	X	X
	1-3 circuits/phase	Three-phase	Three-phase
Backup power capability		✓	✓
Storage capacity + PV electricity can be used (solar charging)		✓	✓

Manufacturer			
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
Phases	Single-phase	X	✓
	Three-phase	✓	X
Category	Hybrid capable	✓	✓
	Battery-inverter	✓	✓
MPP tracker		2	2
Manufacturers of compatible battery storage systems			
Battery type		Luna2000- 5- 15- S0	Luna2000- 5- 15- S0
Battery voltage	High voltage	✓	✓
	Low voltage	X	X
Usable energy capacity (kWh)		5 – 15	5 – 15
Capacity extension at a later time		✓	✓
Cell technology	Lithium-Eisen-phosphat (LFP)	✓	✓
	Lithium-Nickel-Mangan-Cobalt (NMC)	X	X
Power (kW)	Charging	2,5 – 5 kW	2,5 – 5 kW
	Discharging	2,5 – 5 kW	2,5 – 5 kW
Off-Grid-fähig		X	X
Emergency power supply	PV point (socket)	X	X
	1-3 circuits/ phase	Single-phase	Single-phase
Backup power capability		X	X
Storage capacity + PV electricity can be used (solar charging)		✓	✓

Manufacturer			
Battery- or hybrid inverter type		LG ESS Home 8 / 10	
PV output in kWp		12,0 – 15,0	
Phases	Single-phase	X	
	Three-phase	✓	
Category	Hybrid capable	✓	
	Battery-inverter	X	
MPP tracker		3	
Manufacturers of compatible battery storage systems			
Battery type		LG HBP 10H / 16H	
Battery voltage	High voltage	✓	
	Low voltage	X	
Usable energy capacity (kWh)		9,6 – 32,0	
Capacity extension at a later time		✓	
Cell technology	Lithium-Eisen-phosphat (LFP)	✓	
	Lithium-Nickel-Mangan-Cobalt (NMC)	X	
Power (kW)	Charging	5,0 – 7,0	
	Discharging	5,0 – 7,0	
Off-Grid-fähig		X	
Emergency power supply	PV point (socket)	X	
	1-3 circuits/phase	Three-phase	
Backup power capability		✓	
Storage capacity + PV electricity can be used (solar charging)		✓	

Manufacturer		<div>K A C O  new energy.</div>	
Battery- or hybrid inverter type		blueplanet hybrid 10.0 TL3	
PV output in kWp		15,0	
Phases	Single-phase	X	
	Three-phase	✓	
Category	Hybrid capable	✓	
	Battery-inverter	X	
MPP tracker		2	
Manufacturers of compatible battery storage systems			
Battery type		HVM	HVS
Battery voltage	High voltage	✓	✓
	Low voltage	X	X
Usable energy capacity (kWh)		8,3 – 22,1	5,1 – 10,2
Capacity extension at a later time		✓	✓
Cell technology	Lithium-Eisen-phosphat (LFP)	✓	✓
	Lithium-Nickel-Mangan-Cobalt (NMC)	X	X
Power (kW)	Charging	2,5 – 10,0	2,5 – 10,0
	Discharging	2,5 – 10,0	2,5 – 10,0
Off-Grid-fähig		✓	✓
Emergency power supply	PV point (socket)	✓	✓
	1-3 circuits/phase	Three-phase	Three-phase
Backup power capability		✓	✓
Storage capacity + PV electricity can be used (solar charging)		✓	✓

KOSTAL

Manufacturer											
Battery- or hybrid inverter type		Plenticore 3.0, 4.2, 5.5, 7.0, 8.5, 10.0 G2			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 output in kWp		15,0			without restriction			4,5 – 6,9		2,3 – 5,4	
Phases	Single-phase	X			X			✓		✓	
	Three-phase	✓			✓			X		X	
Category	Hybrid capable	✓			X			✓		X	
	Battery-inverter	✓			✓			✓		✓	
MPP tracker		2			X			1		1	
Manufacturers of compatible battery storage systems		 LG Energy Solution  BYD			 LG Energy Solution  BYD			 BYD		 BYD	
Battery type		Enblock FLEX	HVM	HVS	Enblock FLEX	HVM	HVS	HVM	HVS	HVM	HVS
Battery voltage	High voltage	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	Low voltage	X	X	X	X	X	X	X	X	X	X
Usable energy capacity (kWh)		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 extension at a later time		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Cell technology	Lithium-Eisen-phosphat (LFP)	X	✓	✓	X	✓	✓	✓	✓	✓	✓
	Lithium-Nickel-Mangan-Cobalt (NMC)	✓	X	X	✓	X	X	X	X	X	X
Power (kW)	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
	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-Grid-fähig		X	X	X	X	X	X	X	X	X	X
Emergency power supply	PV point (socket)	X	X	X	X	X	X	X	X	X	X
	1-3 circuits/phase	X	X	X	X	X	X	X	X	X	X
Backup power capability		X	X	X	X	X	X	X	X	X	X
Storage capacity + PV electricity can be used (solar charging)		X	X	X	X	X	X	X	X	X	X

Manufacturer		Tigo®	
Battery- or hybrid inverter type		TigoTSI- 6 / 10 / 15K3D	
PV output in kWp		5,0 – 18,0	
Phases	Single-phase	X	
	Three-phase	✓	
Category	Hybrid capable	✓	
	Battery-inverter	X	
MPP tracker		2	
Manufacturers of compatible battery storage systems		Tigo®	
Battery type		EI Batteriespeicher TSB	
Battery voltage	High voltage	✓	
	Low voltage	X	
Usable energy capacity (kWh)		5,5 – 10,9	
Capacity extension at a later time		✓	
Cell technology	Lithium-Eisen-phosphat (LFP)	✓	
	Lithium-Nickel-Mangan-Cobalt (NMC)	X	
Power (kW)	Charging	5,1 – 10,2	
	Discharging	5,1 – 10,2	
Off-Grid-fähig		✓	
Emergency power supply	PV point (socket)	X	
	1-3 circuits/ phase	Three-phase	
Backup power capability		✓	
Storage capacity + PV electricity can be used (solar charging)		✓	

Manufacturer		RCT power	
Battery- or hybrid inverter type		Power Storage DC 4 / 6 / 8 / 10	Power Storage AC 4 / 6
PV output in kWp		6,6 – 16,5	without restriction
Phases	Single-phase	X	X
	Three-phase	✓	✓
Category	Hybrid capable	✓	X
	Battery-inverter	✓	✓
MPP tracker		2	0
Manufacturers of compatible battery storage systems		RCT power	RCT power
Battery type		Power Battery	Power Battery
Battery voltage	High voltage	✓	✓
	Low voltage	X	X
Usable energy capacity (kWh)		3,46 – 10,37	3,46 – 10,37
Capacity extension at a later time		✓	✓
Cell technology	Lithium-Eisen-phosphat (LFP)	✓	✓
	Lithium-Nickel-Mangan-Cobalt (NMC)	X	X
Power (kW)	Charging	3,0 – 11,53	4,0 / 6,0
	Discharging	3,0 – 11,53	4,0 / 6,0
Off-Grid-fähig		✓	X
Emergency power supply	PV point (socket)	X	X
	1-3 circuits/phase	Three-phase	X
Backup power capability		✓	X
Storage capacity + PV electricity can be used (solar charging)		✓	X



Manufacturer							
Battery- or hybrid inverter type		Home Hub 5 / 8 / 10- RWB48	RWS StorEdge 5 / 7 / 8 /10			SE 2200 / 3000 / 3500 / 3680 / 4000 / 5000H Storedge HD- Wave	
PV output in kWp		7,0 – 15,0	6,75 – 13,5			3,4 – 7,75	
Phases	Single-phase	X	X			✓	
	Three-phase	✓	✓			X	
Category	Hybrid capable	✓	✓			✓	
	Battery-inverter	✓	✓			✓	
MPP tracker		X	X			X	
Manufacturers of compatible battery storage systems		solar edge	solar edge	BYD	LG Energy Solution	solar edge	LG Energy Solution
Battery type		SE- Bat-05K48	SE- Bat-05K48	LVS	Enblock C	SE- BAT-10K1P	Enblock Prime
Battery voltage	High voltage	X	X	X	X	✓	✓
	Low voltage	✓	✓	✓	✓	X	X
Usable energy capacity (kWh)		4,6 – 23,0	4,6 – 23,0	4,0 – 24,0	5,9 – 11,7	9,7	9,6, 13,0
Capacity extension at a later time		✓	✓	✓	✓	✓	✓
Cell technology	Lithium-Eisen-phosphat (LFP)	✓	✓	✓	X	✓	X
	Lithium-Nickel-Mangan-Cobalt (NMC)	X	X	X	✓	X	✓
Power (kW)	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-fähig		X	X	X	X	X	X
Emergency power supply	PV point (socket)	X	X	X	X	X	X
	1-3 circuits/ phase	Three-phase	X	X	X	X	X
Backup power capability		✓	X	X	X	X	X
Storage capacity + PV electricity can be used (solar charging)		✓	X	X	X	X	X

Manufacturer					
Battery- or hybrid inverter type		S6-EH3P 5 / 6 / 8 / 10K-H-EU		RHI-3P 5 / 6 / 8 / 10 K-HVES-5G	
PV output in kWp		8,0 – 16,0		8,0 – 16,0	
Phases	Single-phase	X		X	
	Three-phase	✓		✓	
Category	Hybrid capable	✓		✓	
	Battery-inverter	✓		✓	
MPP tracker		3 – 4		2	
Manufacturers of compatible battery storage systems					
Battery type		HVM		HVM	
Battery voltage	High voltage	✓		✓	
	Low voltage	X		X	
Usable energy capacity (kWh)		8,3 – 22,1		11 – 22,1	
Capacity extension at a later time		✓		✓	
Cell technology	Lithium-Eisen-phosphat (LFP)	✓		✓	
	Lithium-Nickel-Mangan-Cobalt (NMC)	X		X	
Power (kW)	Charging	5,0 – 10,0		5,0 – 10,0	
	Discharging	5,0 – 10,0		5,0 – 10,0	
Off-Grid-fähig		✓		X	
Emergency power supply	PV point (socket)	X		X	
	1-3 circuits/phase	Three-phase		Three-phase	
Backup power capability		X		X	
Storage capacity + PV electricity can be used (solar charging)		✓		✓	