

Energy storage systems comparison 2023

High voltage (HV)

Manufacturer system	Model	AC rated power	Inverter parallel connection	AC phases		Hybrid / battery inverter	Emergency power socket*	Backup power**	Backup power light***	Solar recharging****	SG ready (accessories, if applicable)	Battery		Cell chemistry	Capacity (net) per battery	Battery parallel connection	Max. battery discharge capacity per inverter	
				1	3													
Energizer	Force HT	8.0 - 12 kVA	-	-	✓	Hybrid	-	-	✓	✓	-	Energizer	Powerstack 2,9 / 4,03	Lithium-iron-phosphate	10.4 - 25.4 kWh	up to 10	6 - 10.5 kW	
Fronius	Primo GEN24 Plus	3.0 - 4.6 kVA	-	✓	-	Hybrid	✓	✓	-	✓	✓	BYD and LG Energy Solution	BYD Battery-Box Premium HVS / HVM	Lithium-iron-phosphate	5.1 - 19.3 kWh	up to 3	3 - 4.6 kW	
	Symo GEN24	3.0 - 5.0	-	-	✓	Hybrid	✓	-	-	✓	✓		BYD Battery-Box Premium HVS / HVM	Lithium-iron-phosphate	5.1 - 23.5 kWh		2.6 - 5 kW	
	Symo GEN24	6.0 - 10.0	-	-	✓	Hybrid	✓	✓	-	✓	✓		LG RESU FLEX	Nickel-manganese-cobalt	8.6 - 17.2 kWh		4.3 - 8.5 kW	
GOODWE	ET Plus (16A) series	5.0 - 10.0 kVA	up to 10	-	✓	Hybrid	-	-	✓	✓	✓	BYD LG Energy Solution PYLONTECH	BYD Battery-Box Premium HVS / HVM	Lithium-iron-phosphate	5.1 - 23.5 kWh	up to 3	5 - 10 kW	
													LG RESU FLEX	Nickel-manganese-cobalt	8.6 - 17.2 kWh	up to 2	4.3 - 8.5 kW	
													Pylontech Force H1	Lithium-iron-phosphate	9.6 - 22.4 kWh	-	7.1 - 10 kW	
													Pylontech Force H2	Lithium-iron-phosphate	6.4 - 12.9 kWh	-	3.6 - 7.1 kW	
													Dyness Tower	Lithium-iron-phosphate	10.7 - 17.8 kWh	-	6.4 - 10 kW	
	BT Series	5 - 10 kVA	up to 10	-	✓	Battery	-	-	✓	-	-	-	BYD PYLONTECH Dyness GOODWE	Dyness Tower	Lithium-iron-phosphate	10.7 - 17.8 kWh	-	5 - 10 kW
														Pylontech Force H1	Lithium-iron-phosphate	12.8 - 22.4 kWh	-	5 - 10 kW
														Pylontech Force H2	Lithium-iron-phosphate	6.4 - 12.9 kWh	-	3.6 - 7.1 kW
														Dyness Tower	Lithium-iron-phosphate	10.7 - 17.8 kWh	-	5 - 10 kW
														GoodWe Lynx Home F Plus	Lithium-iron-phosphate	6.5 - 16.4 kWh	up to 8	5.1 - 12.8 kW
ET 15-30	15.0 - 29.9 kVA	planned	-	✓	Hybrid	-	-	✓	✓	✓	BYD	BYD Battery-Box Premium HVS / HVM	Lithium-iron-phosphate	5.1 - 12.8 kWh / 11 - 22.1 kWh	up to 3	5.1 - 12.8 kW / 8.2 - 15 kW		
KOSTAL	PLENTICORE plus	4.2 - 10.0 kVA	-	-	✓	Hybrid	-	-	-	-	✓	LG Energy Solution and BYD	LG RESU FLEX	Nickel-manganese-cobalt	8.6 - 17.2 kWh	up to 2	4.3 - 8.5 kW	
	PLENTICORE BI 5.5 / 10	5.5 / 10.0 kVA	-	-	✓	Battery	-	-	-	-	-		BYD Battery-Box Premium HVS / HVM	Lithium-iron-phosphate	5.1 - 23.5 kWh	up to 3	2.7 - 6.5 kW	
	PIKO MP plus	1.5 - 4.6 kVA	-	✓	-	Hybrid	-	-	-	-	-		BYD Battery-Box Premium HVS / HVM	Lithium-iron-phosphate	5.1 - 23.5 kWh	up to 3	5.5 - 10 kW	
Jinko Solar	Jinko Hybrid JKS 8 - 20K	8 - 20 kVA	up to 10	-	✓	Hybrid	-	✓	-	✓	-	Jinko Solar	Jinko high voltage battery	Lithium-iron-phosphate	5.68 - 17.04 kWh	up to 2	4.26 - 12.78 kW	
	LG ESS Home 8 / 10	8.0 / 10.0	-	-	✓	Hybrid	-	✓	-	✓	✓		LG Energy Solution	LG HBC 11H / 15H	Nickel-manganese-cobalt	10.7 / 14.2 kWh	up to 2	4.0 - 7.0 kW
RCT power	RCT Power Storage DC	4.0 - 10.0 kVA	planned	-	✓	Hybrid	-	✓	-	✓	✓	RCT power	RCT Power Battery	Lithium-iron-phosphate	3.4 - 10.4 kWh	planned	3.8 - 10.0 kW	
	RCT Power Storage AC	6.0 kVA	-	-	✓	Battery	-	-	-	-	-							
SMA	Sunny Boy Storage 2.5	2.5 kVA	-	✓	-	Battery	-	-	-	-	✓	BYD LG Energy Solution	BYD Battery-Box Premium HVS	Lithium-iron-phosphate	5.1 - 10.2 kWh	up to 3	2.5 kW	
	Sunny Boy Storage 3.7 / 5.0 / 6.0	3.7 - 6.0 kVA	-	✓	-	Battery	✓	✓	-	✓	✓		BYD Battery-Box Premium HVS / HVM	Lithium-iron-phosphate	5.1 - 23.5 kWh		3.7 - 7.5 kW	
	SMA Hybrid 5.0 - 10.0	5.0 - 10.0 kVA	-	-	✓	Hybrid	-	-	✓	✓	✓		✓	LG Energy Solution 10H / 16H Prime	Nickel-manganese-cobalt	9.6 / 16.0 kWh	up to 3	3.7 - 7.5 kW
														LG RESU FLEX	Nickel-manganese-cobalt	8.6 - 17.2 kWh	up to 2	3.7 - 8.5 kW
solarEdge	StorEdge single-phase inverter	2.2 - 4.6 kVA	up to 3	✓	-	Hybrid	-	-	-	-	✓	solarEdge LG Energy Solution	Home battery high voltage	Lithium-iron-phosphate	9.7 kWh	up to 3	5 kW	
						Hybrid, PV, AC	-	-	-	-	✓		LG Energy 10H / 16H Prime	Nickel-manganese-cobalt	9.6 / 16.0 kWh	up to 2	7.0 kW	
solis	Solis S6 3P-Hybrid	5.0 - 10.0 kVA	-	-	✓	Hybrid	-	-	✓	✓	-	BYD Dyness PYLONTECH	BYD Battery-Box Premium HVS / HVM	Lithium-iron-phosphate	5.1 - 23.5 kWh	up to 3	5.1 - 10.6 kW	
													Dyness Tower	Lithium-iron-phosphate	10.7 - 17.8 kWh	-	5 - 10 kW	
													Pylontech Force H1	Lithium-iron-phosphate	9.6 - 22.4 kWh	-	5 - 10 kW	
X INVERTER	X3 - Hybrid - G4	5 - 15 kVA	up to 4	-	✓	Hybrid	-	-	✓	✓	✓	X INVERTER	Triple Power 3.0	Lithium-iron-phosphate	2.8 - 11 kWh	-	3.1 - 12.3 kW	
													Sungrow	Lithium-iron-phosphate	9.6 - 25.6 kWh	-	6.0 - 10.6 kW	
SUNGROW	SH5.0RT - SH10RT	5.0 - 10.0 kVA	up to 5	-	✓	Hybrid	-	-	✓	✓	✓	BYD Dyness	BYD Battery-Box Premium HVS / HVM	Lithium-iron-phosphate	5.1 - 23.5 kWh	up to 3	5.1 - 10.6 kW	
													Dyness Tower	Lithium-iron-phosphate	10.7 - 21.3 kWh	-	6.4 - 12.8 kW	
sunways	STH-8-12KTL-HT	8 - 12 kVA	-	-	✓	Hybrid	-	-	✓	✓	-	PYLONTECH	Pylontech Force H1	Lithium-iron-phosphate	12.8 - 22.4 kWh	-	4.8 - 8.4 kW	
													Pylontech Force H2	Lithium-iron-phosphate	6.4 - 12.9 kWh	-	3.6 - 7.1 kW	

* Emergency power: Individual loads can be supplied at a power outlet in the event of a mains failure.
 ** Backup power: The system automatically switches over in the event of a power failure and supplies the house grid 1- / 3-phase.
 *** Backup power light: The system automatically switches over in the event of a power failure and supplies only selected circuits 1- 3-phase.
 **** Solar recharging: The system can be solar recharged in emergency power / backup power mode.

The recommendations and dimensioning do not replace an appropriate system design. 1-phase inverters are regulated to a maximum of 4.6 kVA in Germany.

Do you know about our Memodo Academy?

memodo-shop.com/trainings

