


Energy Storage System Comparison 2023

High-Voltage (HV)

Manufacturer	Model	AC nominal 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 power 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	BYD Battery-Box Premium HVS / HVM	Lithium-iron-phosphate	5.1 – 19.3 kWh	up to 3	3.0 – 4.6 kW
	Symo GEN24 3.0 – 5.0 Plus	3.0 – 5.0 kVA	-	-	✓	Hybrid	✓	-	-	✓	✓				5.1 – 23.5 kWh	up to 3	2.6 – 5.0 kW
	Symo GEN24 6.0 – 10.0 Plus	6.0 – 10.0 kVA	-	-	✓	Hybrid	✓	✓	-	✓	✓	LG Energy Solution	LG RESU FLEX	Nickel-Manganese-Cobalt	5.1 – 23.5 kWh	up to 3	4.5 – 9.0 kW
GOODWE	ET Plus (16A) Series	5.0 – 10.0 kVA	up to 10	-	✓	Hybrid	-	-	✓	✓	✓	BYD	BYD Battery-Box Premium HVS / HVM	Lithium-iron-phosphate	8.6 – 17.2 kWh	up to 2	4.3 – 8.5 kW
	ET 15-30	15.0 – 30.0 kVA	planned	-	✓	Hybrid	-	-	✓	✓	✓	LG Energy Solution	LG RESU FLEX	Nickel-Manganese-Cobalt	5.1 – 23.5 kWh	up to 3	5.0 – 10.0 kW
	ET 15-30	15.0 – 30.0 kVA	planned	-	✓	Hybrid	-	-	✓	✓	✓	GOODWE	GoodWe Lynx Home F plus	Lithium-iron-phosphate	8.6 – 17.2 kWh	up to 2	4.3 – 8.5 kW
	ET 15-30	15.0 – 30.0 kVA	planned	-	✓	Hybrid	-	-	✓	✓	✓	GOODWE	GoodWe Lynx Home F plus	Lithium-iron-phosphate	6.5 – 16.4 kWh	up to 8	5.8 – 10.0 kW
	ET 15-30	15.0 – 30.0 kVA	planned	-	✓	Hybrid	-	-	✓	✓	✓	GOODWE	GoodWe Lynx Home F plus	Lithium-iron-phosphate	6.5 – 16.4 kWh	up to 8	7.6 – 13.0 kW
KOSTAL	PLENTICORE plus	4.2 – 10.0 kVA	-	-	✓	Hybrid	-	-	-	-	✓	LG Energy Solution	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	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	BYD Battery-Box Premium HVS / HVM	Lithium-iron-phosphate	5.1 – 23.5 kWh	up to 3	5.5 – 10.0 kW
JinKO Solar	Jinko Hybrid JKS 8 – 20K HV	8 – 20 kVA	up to 10	-	✓	Hybrid	-	✓	-	✓	-	JinKO Solar	Jinko High-voltage Battery	Lithium-iron-phosphate	5.1 – 23.5 kWh	up to 3	1.5 – 5.0 kW
LG	LG ESS Home 8 / 10	8.0 / 10.0 kVA	-	-	✓	Hybrid	-	✓	-	✓	✓	LG	LG HBC 11H / 15H	Nickel-Manganese-Cobalt	5.68 – 17.04 kWh	-	4.26 – 12.78 kW
RCT power	RCT Power Storage DC	4.0 – 10.0 kVA	planned	-	✓	Hybrid	-	✓	-	✓	✓	RCT power	RCT Power Battery	Lithium-iron-phosphate	10.7 / 14.2 kWh	up to 2	4.0 – 7.0 kW
	RCT Power Storage AC	4.0 / 6.0 kVA	-	-	✓	Battery	-	-	-	-	-				3.4 – 10.4 kWh	planned	3.8 – 10.0 kW
SMA	Sunny Boy Storage 2.5	2.5 kVA	-	✓	-	Battery	-	-	-	-	✓	BYD	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-Eisen-Phosphat	5.1 – 23.5 kWh	up to 3	3.7 – 7.5 kW
	Sunny Boy Storage 3.7 / 5.0 / 6.0	3.7 – 6.0 kVA	-	✓	-	Battery	✓	✓	-	✓	✓	LG Energy Solution	LG Energy Solutions 10H / 16H Prime	Nickel-Manganese-Cobalt	9.6 / 16.0 kWh	up to 3	3.7 – 7.5 kW
	SMA Hybrid 5.0 – 10.0	5.0 – 10.0 kVA	-	-	✓	Hybrid	-	-	✓	✓	✓	BYD	BYD Battery-Box Premium HVS / HVM	Lithium-iron-phosphate	8.6 – 17.2 kWh	up to 2	3.7 – 8.5 kW
	SMA Hybrid 5.0 – 10.0	5.0 – 10.0 kVA	-	-	✓	Hybrid	-	-	✓	✓	✓	LG Energy Solution	LG RESU FLEX	Nickel-Manganese-Cobalt	5.1 – 23.5 kWh	up to 3	10 / 12 kW
solar edge	StorEdge one-phase-inverter	2.2 – 4.6 kVA	up to 3	✓	-	Hybrid	-	-	-	-	✓	solar edge	Home Battery High-voltage	Lithium-iron-phosphate	9.7 kWh	up to 3	5 kW
	StorEdge one-phase-inverter	2.2 – 4.6 kVA	up to 3	✓	-	Hybrid, PV, AC	-	-	-	-	✓	LG Energy Solution	LG Energy Solutions 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	up to 10	-	✓	Hybrid	-	-	✓	✓	-	BYD	BYD Battery-Box Premium HVS / HVM	Lithium-iron-phosphate	5.1 – 23.5 kWh	up to 3	5.1 – 10.6 kW
SUNGROW	SH5.0RT – SH10RT	5.0 – 10.0 kVA	up to 5	-	✓	Hybrid	-	-	✓	✓	✓	SUNGROW	Sungrow	Lithium-iron-phosphate	9.6 – 25.6 kWh	-	6.0 – 10.6 kW
	SH5.0RT – SH10RT	5.0 – 10.0 kVA	up to 5	-	✓	Hybrid	-	-	✓	✓	✓	BYD	BYD Battery-Box Premium HVS / HVM	Lithium-iron-phosphate	5.1 – 23.5 kWh	up to 3	5.1 – 10.6 kW

* Emergency power: The system has a separate power supply socket for every single appliance in case of power failure.
 ** Backup power: In case of a power outage, the system automatically switches to backup power operation and supplies both 1-phase and 3-phase loads.
 *** Backup power light: In the event of a power outage, the system automatically switches over and supplies only selected circuits with 1- 3-phase power.
 **** Solar recharging: The system can be solar recharged in emergency power / backup power mode.
 The recommendations and dimensions do not replace the system configuration.

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