



Tech Specs Foxpower Smart Energy Storage System

Intelligent, Long-lasting and economical - All In One

The Foxpower smart energy storage system is a high-tech storage system which combination of a PV system and a Foxpower LiFePO₄ battery will allow you to cover about 75% of your yearly energy requirement with self-produced and clean energy. Since your energy is being generated on your roof and not by some anonymous energy provider you are more independent than before. So take your energy future into your own hands and reduce your energy costs to a minimum. The decision for a Foxpower smart energy storage system is also a decision for the highest standards in safety and quality. With storage sizes ranging from 5kWh to 20kWh the Foxpower smart energy storage system will power a detached house, a multi-family house.

Scannable Power Systems

From 5kW to 24kW AC power output
From 5kWh to 60kWh LiFePO₄ batteries

AC Coupled

Work for exised solar grid-tied system to hybrid

Multiple Working Modes

Grid-tied, Off-grid, Hybrid, all in one

Premium Guarantee

10 years for Batery and 5 years for inverter

Dimensions (W/H/D in cm)

Dimensions 5 - 10kWh: 70/130/45

Dimensions 5 - 20kWh: 70/160/45

System Scope

Complete storage system, ready to connect.

Storage capacity

5 kWh - 20 kwh (expandable in steps of 5 kWh post installation)

Lifecycle

4,500 Lifecycles @ 80% DOD

	HES504810	HES804810	HES504820	HES804820
Usable capacity (80% DOD)	10.24 kWh		20.48 kWh	
Battery configuration	5.12kWh*2		5.12kWh*4	
Battery cells quantity	3.2V100Ah*32		3.2V100Ah*64	
Rated charge voltage		56.0Vdc		
Max charge voltage		56.8Vdc		
Overcharge protection		58.4Vdc		
Battery Type	LiFePO4	LiFePO4	LiFePO4	LiFePO4
Nominal output power rating	5 kW	8 kW	5 kW	8 kW
AC Grid Input Voltage		120/240Vac		
Max. charging current (A)	120A	190A	120A	190A
Max. discharging current (A)	120A	190A	120A	190A
Charging profile		3 stages		
Max DC input power	6500W	10400W	6500W	10400W
PV input voltage		370V (100V ~ 500V)		
MPPT range		125V ~ 425V		
Sart-up voltage		150V		
PV input current	11A +11A	18A + 18A	11A +11A	18A + 18A
No. of MPPT		2		
No. of MPPT trackers	1 + 1	2 + 2	1 + 1	2 + 2
AC Output				
Rated AC output power	5000W	8000W	5000W	8000W
Max AC output power	5500W	8800W	5500W	8800W
Surge power (off-grid)	10kW, 10S	16kW, 10S	10kW, 10S	16kW, 10S
Rated AC output current	21A	35A	21A	35A
Max AC current	24A	40A	24A	40A
Max countinuous bypass current	48A	90A	48A	90A
Output voltage		120/240Vac	Split phase	
Output frequency		50/60Hz	auto detectable	
Grid type		Split phase		
THD		<3%		
Efficiency				
Max efficiency		97.50%		
MPPT Efficiency		99.90%		
Certificated				
Safety		UL1471		
EMC		FCC 15 Class B		
General				
Operating Temperature Range		-25 ~60°C, >45°C detating		
Cooling		Fan		
Noise		<30dB		
Weight (approximate)	200kg	200kg	430kg	430kg
Dimension W/H/D (approximate)	70/130/45		70/160/45	
Shipping Weight (approximate)	220kg	220kg	450kg	450kg
Shipping Dimension (approximate)	100/160/80		100/190/80	
Protections		short circuit, over voltage, over current, anti-island, PV		