AC-coupled Energy Storage System



- Charge/counterflow integrated bidirectional conversion
- Anti-flow function, self-consumption
- Support micro-inverter AC input
- AI intelligent control, flexible, convenient, economic
- Self-heating function at low temperature
- Integrated design, quick installation, support multiple parallel



Model	LB-AC5.12L8-S1
AC Parameters(On-Grid)	
Nominal AC Input	L+N+PE, 50/60Hz，220/230Vac
AC Input range	184Vac~253Vac
Rated active power	800W/2500W
Max. output overload current	21Aac
Max. efficiency	0.94
AC output Parameters(Back-up)	
Nominal output voltage	220/230/240Vac±1%
Rated output frequency	50/60Hz±0.1%
Rated output power	2500VA
Max. peak output power	5000VA
THDv	<2%(linear load)
Battery Parameters	
Battery Type	LiFePO4
Nominal Voltage	51.2V
Rated charge/discharge Current	50A
Max. charge/discharge power	2500W
Battery Capacity	5.12kWh
Battery Usable Capacity	4.60kWh
Cycle Life	≥6000 (@25°C, 0.5C/0.5C, 70%EOL)
Safety protection	
Output over voltage protection	Yes
Output over current protection	Yes
Output short circuit protection	Yes
Over temperature protection	Yes
General Parameters	
Dimensions (W / H / D)	540*340*710mm
weight	60kg
Installation	Ground installation
Operating temperature range	-20°C ~ +50°C
Cooling method	Natural convection
Ingress protection rating	IP65
Relative humidity	5~95%
Display	LED & APP
Altitude	3000m
Certification	
Certifications	IEC 61000-6-1/-2/-3/-4, VDE-AR-N 4105, IEC62619, UN38.3, EN301 489-1/-17, REACH