All-In-One Balcony Energy Storage System 1600/2400W



- Support on-grid and off grid operation, hybrid inverter inside
- Dynamic electricity price, maximize economic benefits
- Anti-Flux fuction, self-consumption
- Power Module 1600W/2400W optimal
- APP monitoring, support multiple working mode
- All-in-one design, easy installtion, Flexible capacity

Model	LB-SA2.04L2-S1	LB-SA4.09L2-S1	LB-SA6.14L2-S1	LB-SA8.19L2-S1
System Parameters				
Power Module	LN-SA1600L-S1/LN-SA2400L-S1(Optional)			
Number of Power Module	1			
Battery Module	LB-SA2000L-B1			
Number of Battery Module	1	2	3	4
Battery Capacity(KWh)	2.04	4.09	6.14	8.19
Battery Usable Capacity(KWh)	1.84	3.68	5.52	7.37
PV Input Parameters				
Max. power of PV Input(W)	1000*2			
Max. PV voltage(Vd.c.)	100			
MPPT voltage range(Vd.c.)	10~100			
No. of MPPT trackers	2			
Max. input current per MPP tracker(A)	16			
AC Parameters(On-Grid)				
Nominal AC Input	L+N+PE, 50/60Hz, 220/230Vac			
AC Input range(Vac)	170~280			
Rated active power(W)	1600/2400			
Max. output overload current(A)	14/21			
Max. efficiency	94%			
Switching time(ms)	10			
AC output Parameters(Back-up)				
Nominal output voltage(Vac)	230±5%			
Rated output frequency(Hz)	50/60±0.3			
Rated output power(W)	1600/2400			
Max. peak output power(VA)	3200/4800			
Motor capability	2HP			
Battery Parameters				
Battery Type	LiFePO4			
Nominal Voltage(V)	51.2			
Max. charge/discharge Current(A)	35/50			
Max. charge/discharge power(W)	1600/2400			
Safety protection				
Reverse polarity protection	Yes			
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)(mm)	420*135*276			
Weight(kg)	12			
Installation	Stacked installation			
Operating temperature range(°C)	-10 ~ +50			
Cooling method	Intelligent air cooling			
Ingress protection rating	IP65			
Relative humidity	5~95%			
Display	LED & APP			
Altitude(m)	3000m			
Battery Module				
Module	LB-SA2000L-B1			
Battery Type	LiFePO4			
Nominal Energy(KWh)	2.04			
Nominal Voltage(V)	51.2V			
Rated charge/discharge Current(A)	20A			
Rated charge/discharge power(W)	1024W			
Operating temperature range(°C)	-20 ~ +50			
Cycle Life	≥6000 (@25°C, 0.5C/0.5C, 70%EOL)			
Expansion ability	Max. 4 in Parallel			
Ingress protection rating	IP65			
Battery Module Dimensions (W / H / D)(mm)	420*225*276			
Battery Module weight(kg)	20			
Certification				
Certifications	EN 62109-1, EN 62109-2, IEC 61000-6-1/-2/-3/-4, VDE-AR-N 4105, IEC62619, UN38.3,EN301 489-1/-17, REACH			