

All-in-one Integrated Solar Storage System

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Faster Installation
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High Efficiency
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Multiple Protection

- Support on-grid and off grid operation
- 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)	800*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							