

Power Module V1

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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



Model	LN-SP1600L-S1		LN-SP2400L-S1
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*260*131		
Weight(kg)	12 kg		
Installation	Stacked installation		
Operating temperature range(°C)	-10 ~ +50		
Cooling method	Natural convection	Forced air cooling	
Ingress protection rating	IP65		
Relative humidity	5~95%		
Display	LED & APP		
Altitude(m)	3000		
Certification			
Certifications	EN 62109-1, EN 62109-2, IEC 61000-6-1/-2/-3/-4, EN 50549-1, EN301 489-1/-17, REACH		