



SunBox Series



All-IN-ONE SOLAR STORAGE SYSTEM

SunBox-S2402S



Low Noise Design

- Provides users with a quieter user experience

Fast Charging

- PV and AC hybrid charging, fast charging speed, can fully charge the battery within 1 hour

Automatic And Manual Bypass

- Equipped with automatic and manual power switching function, manual switching can provide a maximum power of 5000W

Long Life And Safety

- The lithium iron phosphate battery is adopted, with a cycle life of more than 6000 cycles

Pure Sine Wave Output

- Stronger carrying capacity, can connect more household loads

MPPT Charging

- High charging efficiency, can be connected to higher voltage and higher power solar panels

Model	SunBox-S2402S
Inverter Output	
Rated Output Power	2,500W
Boost Power(30S)	3,000W
Max.Peak Power	5,000VA
Rated Output Voltage	230Vac
Waveform	Pure Sine Wave
Power Factor	1
Frequency	50/60Hz
Auto Switch Period	< 10ms (typical)
THD	3%
Battery	
Battery Type	LiFePO4
Battery Energy	2.56kWh
Battery Capacity	100AH
Battery Rated Voltage	25.6V
Battery Working Voltage Range	22.4 ~ 28.8V
Standard Charge current	50A
Maximum Charge Current	100A
PV Charge	
Solar Charge Type	MPPT
Max. Output Power	1,500W
Max. MPPT Charging Current	60A
Max. Voltage of Open Circuit	108V
MPPT Voltage Range	30~95Vdc
AC Charge	
Max. AC Charge Power	1,500W
Max. AC Charging Current	60A
Rated Input Voltage	220/230Vac
Input Voltage Range	90 ~ 280Vac
AC Bypass Output	
Auto Bypass Rated Output Power	3,000W
Manual Bypass Rated Output Power	5,000W
Frequency	50Hz
AC Input Breaker	30A
Efficiency	
MPPT Tracking Efficiency	99.9%
General	
Protection Degree	IP20, Indoor Only
Charging temperature range	0°C~45°C
Noise	≤40dB
Storage time / temperature	6 months @25°C;3 months @35°C;1 months @45°C
Dimensions	400*400*300mm
Interface	
Communication	USB-Type A
Charge	USB-Type B (5V 2A*2)
Certification	
Safety	MSDS,UN38.3,IEC61000-6:2019
RoHS	Yes