



New energy New life New future

Introduction of
off-grid energy
storage system

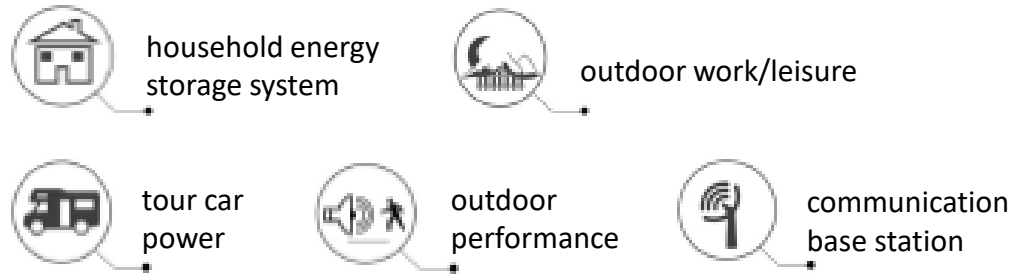
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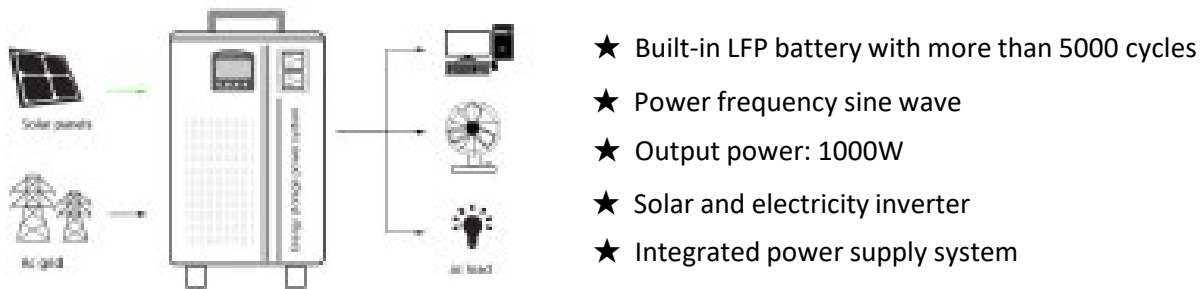
Applications: private villas and gardens/rural private residences/areas without electricity or short of electricity/disaster emergency rescue /outdoor temporary hospitals/outdoor single-door and single-yard residences/emergency power supply for small factories, touring cars, base stations, outdoor performances and activities, bank branches.....



SES energy storage system application



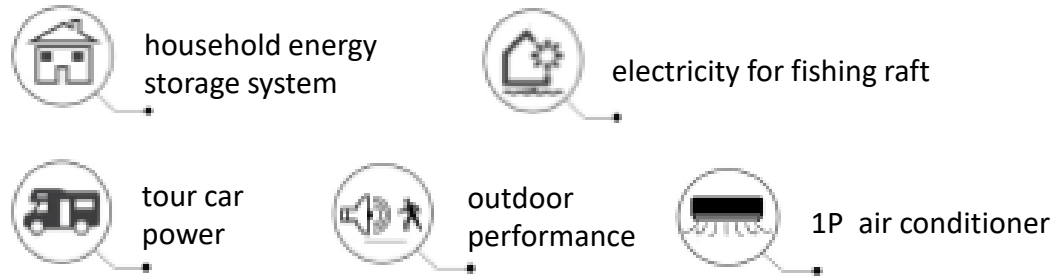
Block diagram of off-grid energy storage system



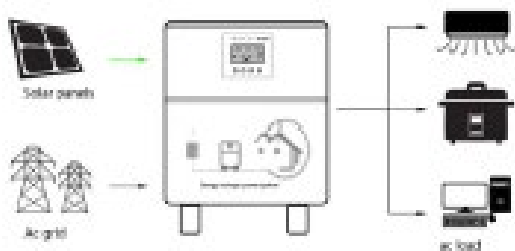
Models	SES1000-1500D	SES1000-2000D
AC output power	1000VA/1000W	1000VA/1000W
Peak power (mS)	2500VA	2500VA
AC input		
Input voltage	145-265Vac±5%	145-265Vac±5%
Input frequency	45-65Hz	45-65Hz
AC output		
Output phase	L+N+PE	L+N+PE
Output voltage	220-230Vac±5%	220-230Vac±5%
Output frequency	50-60Hz±1%	50-60Hz±1%
Output waveform	Pure sine wave	Pure sine wave
Output power	1000W	1000W
PV charging/AC charging		
Max PV input power	350W	750W
Max PV voltage (voc)	55VDC	55VDC
Optimal tracking voltage	18-30VDC	36-45VDC
Max PV charging current	30A	30A
Max AC charging current	15A	15A
Battery		
Battery type	LiFePO4	LiFePO4
Battery voltage	12.8V	25.6V
Battery capacity	1500Wh	2000Wh
Other parameters		
5V USB	Max 24W 5V USB*2 QC3.0	Max 24W 5V USB*2 QC3.0
12V DC	Optional	Optional
Conversion time	≤4mS	≤4mS
Dimensions	480*260*490mm	480*260*490mm
Communication	RS485/wifi/GPRS (optional)	RS485/wifi/GPRS (optional)
Installation mode	Floor mounted	Floor mounted
Working temperature	-10°C~+50°C	-10°C~+50°C



SES energy storage system application



Block diagram of off-grid energy storage system

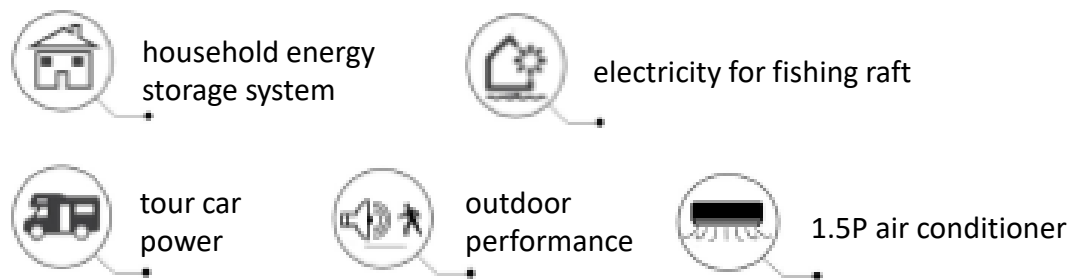


- ★ Built-in LFP battery with more than 5000 cycles
- ★ Power frequency sine wave
- ★ Output power: 2000W
- ★ Solar and electricity inverter
- ★ Integrated power supply system
- ★ Lightning surge protection

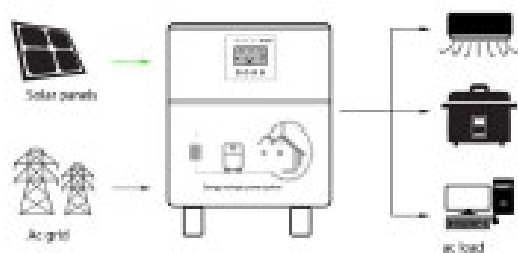
Models	SES2000-2500D	SES2000-4000D
AC output power	2000VA/2000W	2000VA/2000W
Peak power (mS)	5000VA	5000VA
AC input		
Input voltage	165-265Vac±5%	165-265Vac±5%
Input frequency	45-65Hz	45-65Hz
AC output		
Output phase	L+N+PE	L+N+PE
Output voltage	220-230Vac±5%	220-230Vac±5%
Output frequency	50-60Hz±1%	50-60Hz±1%
Output waveform	Pure sine wave	Pure sine wave
Output power	2000W	2000W
PV charging/AC charging		
Max PV input power	1100W	1100W
Max PV voltage (voc)	55VDC	55VDC
Optimal tracking voltage	30-45VDC	30-45VDC
Max PV charging current	40A	40A
Max AC charging current	15A	15A
Battery		
Battery type	LiFePO4	LiFePO4
Battery voltage	25.6V	25.6V
Battery capacity	2500Wh	4000Wh
Other parameters		
5V USB	Max 24W 5V USB*3 QC3.0	Max 24W 5V USB*3 QC3.0
12V DC	5521-12V3A*2	5521-12V3A*2
Conversion time	≤4mS	≤4mS
Dimensions	540*365*570mm	540*365*570mm
Communication	RS485/wifi/GPRS (optional)	RS485/wifi/GPRS (optional)
Installation mode	Floor mounted	Floor mounted
Working temperature	-10°C~+50°C	-10°C~+50°C



SES energy storage system application



Block diagram of off-grid energy storage system

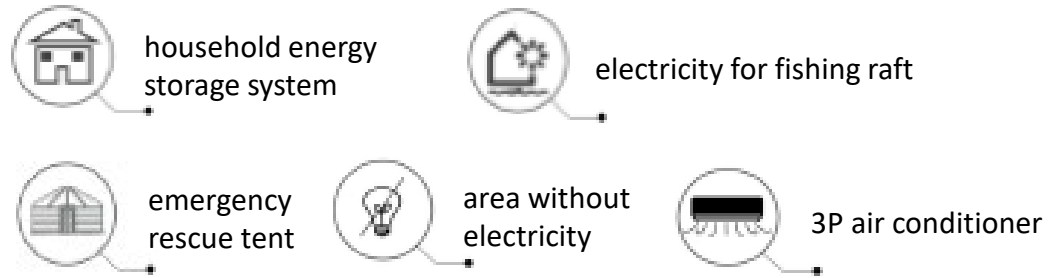


- ★ Built-in LFP battery with more than 5000 cycles
- ★ Power frequency sine wave
- ★ Output power: 3000W
- ★ Solar and electricity inverter
- ★ Integrated power supply system
- ★ Lightning surge protection

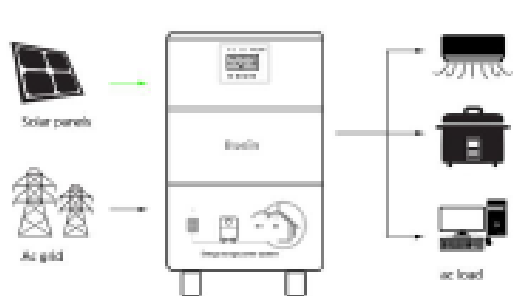
Models	SES3000-5000D
AC output power	3000VA/3000W
Peak power (mS)	8000VA
AC input	
Input voltage	165-265Vac±5%
Input frequency	45-65Hz
AC output	
Output phase	L+N+PE
Output voltage	220-230Vac±5%
Output frequency	50-60Hz±1%
Output waveform	Pure sine wave
Output power	3000W
PV charging/AC charging	
Max PV input power	3200W
Max PV voltage (voc)	150VDC
Optimal tracking voltage	72-110VDC
Max PV charging current	60A
Max AC charging current	15A
Battery	
Battery type	LiFePO4
Battery voltage	51.2V
Battery capacity	5000Wh
Other parameters	
5V USB	Max 24W 5V USB*3 QC3.0
12V DC	5521-12V3A*2
Conversion time	≤4mS
Dimensions	610*550*650mm
Communication	RS485/wifi/GPRS (optional)
Installation mode	Floor mounted
Working temperature	-10°C~+50°C



SES energy storage system application



Block diagram of off-grid energy storage system

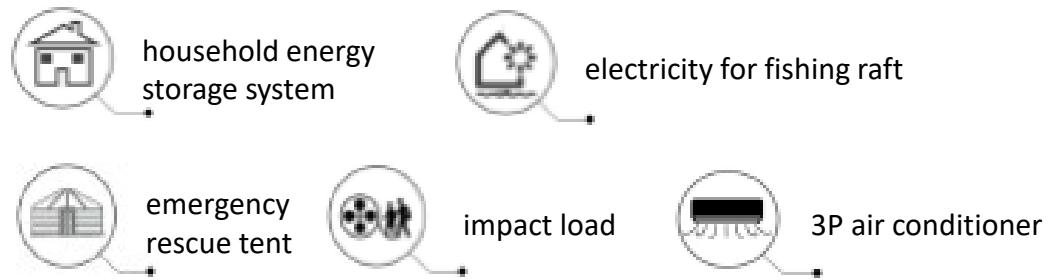


- ★ Built-in LFP battery with more than 5000 cycles
- ★ Power frequency sine wave
- ★ Output power: 5000W
- ★ Solar and electricity inverter
- ★ Integrated power supply system
- ★ Lightning surge protection

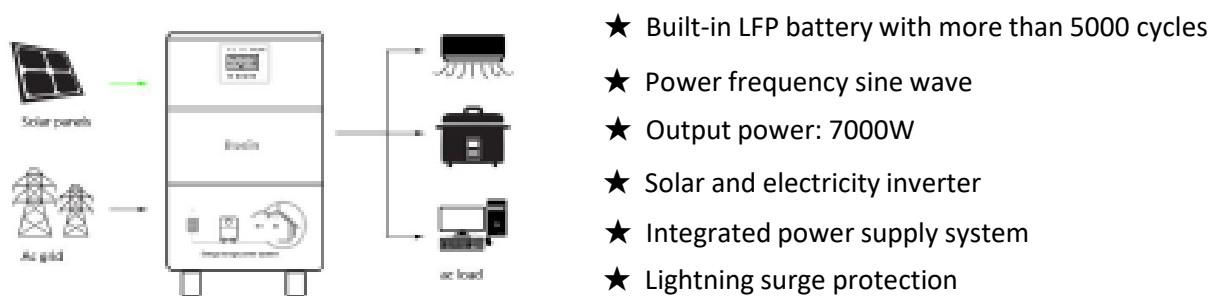
Models	SES5000-5000D	SES5000-10000D
AC output power	5000VA/5000W	5000VA/5000W
Peak power (mS)	12500VA	12500VA
AC input		
Input voltage	165-265Vac±5%	165-265Vac±5%
Input frequency	45-65Hz	45-65Hz
AC output		
Output phase	L+N+PE	L+N+PE
Output voltage	220-230Vac±5%	220-230Vac±5%
Output frequency	50-60Hz±1%	50-60Hz±1%
Output waveform	Pure sine wave	Pure sine wave
Output power	5000W	5000W
PV charging/AC charging		
Max PV input power	3200W	3200W
Max PV voltage (voc)	150VDC	150VDC
Optimal tracking voltage	65-112VDC	65-112VDC
Max PV charging current	60A	60A
Max AC charging current	15A	15A
Battery		
Battery type	LiFePO4	LiFePO4
Battery voltage	51.2V	51.2V
Battery capacity	5000Wh	10000Wh
Other parameters		
5V USB	Max 24W 5V USB*3 QC3.0	Max 24W 5V USB*3 QC3.0
12V DC	5521-12V3A*2	5521-12V3A*2
Conversion time	≤4mS	≤4mS
Dimensions	610*550*650mm	610*550*1010mm
Communication	RS485/wifi/GPRS (optional)	RS485/wifi/GPRS (optional)
Installation mode	Floor mounted	Floor mounted
Working temperature	-10°C~+50°C	-10°C~+50°C



SES energy storage system application



Block diagram of off-grid energy storage system



Models	SES7000-10000D
AC output power	7000VA/7000W
Peak power (mS)	18000VA
AC input	
Input voltage	165-265Vac±5%
Input frequency	45-65Hz
AC output	
Output phase	L+N+PE
Output voltage	220-230Vac±5%
Output frequency	50-60Hz±1%
Output waveform	Pure sine wave
Output power	7000W
PV charging/AC charging	
Max PV input power	3200W
Max PV voltage (voc)	150VDC
Optimal tracking voltage	72-110VDC
Max PV charging current	60A
Max AC charging current	15A
Battery	
Battery type	LiFePO4
Battery voltage	51.2V
Battery capacity	10000Wh
Other parameters	
5V USB	Max 24W 5V USB*3 QC3.0
12V DC	5521-12V3A*2
Conversion time	≤4mS
Dimensions	610*550*1010mm
Communication	RS485/wifi/GPRS (optional)
Installation mode	Floor mounted
Working temperature	-10°C~+50°C