



# All-in-one Solar Energy Storage System

## LS-EOV24 Series



- Long life and safety**  
 Vertical industry integration ensures more than 5000 cycles with 80% DoD.
- Easy to install and use**  
 Integrated inverter design, easy to use and quick to install.  
 Small size, minimizing installation time and cost Compact and stylish design suitable for your sweet home environment.
- Multiple working modes**  
 The inverter has a variety of working modes. Whether it is used for main power supply in the area without electricity or backup power supply in the area with unstable power to deal with sudden power failure, the system can respond flexibly.
- Fast and flexible charging**  
 A variety of charging methods, which can be charged with photovoltaic or commercial power, or both at the same time.
- Scalability**  
 You can use 4 batteries in parallel at the same time, and can provide a maximum of 20kwh for your use

# Product parameters

Model	LS-EOV24-5.0S-S1	LS-EOV24-10.0S-S1	LS-EOV24-5.0U-S1	LS-EOV24-10.0U-S1
<b>BATTERY TECHNICAL SPECIFICATION</b>				
Battery model	LS-EOV24-5.0A-E1			
Number of batteries	1	2	1	2
Battery Energy	5.12kWh	10.24kWh	5.12kWh	10.24kWh
Battery Capacity	200AH	400AH	200AH	400AH
Weight	100kg	170kg	100kg	170kg
Dimension Lx D×H	1190×600×184mm	1800×600×184mm	1190×600×184mm	1800×600×184mm
Battery Type	LiFePO4			
Battery Rated Voltage	25.6V			
Battery Working Voltage Range	22.4 ~ 28.8V			
Maximum Charging Current	150A			
Maximum Discharging Current	150A			
DOD	80%			
Designed Life-span	5000			
<b>INVERTER TECHNICAL SPECIFICATION</b>				
INVERTER MODEL	LS-EOV24-3.5S-C1		LS-EOV24-3.5U-C1	
<b>PV CHARGE</b>				
Solar Charge Type	MPPT			
Maximum Output Power	4000W			
PV Charging Current Range	0~80A			
PV Operating Voltage Range	120~500V			
MPPT Voltage Range	120~450V			
<b>AC CHARGE</b>				
Maximum Charge Power	2240W			1120W
AC Charging Current Range	0~80A			0~40A
Rated Input Voltage	220/230Vac			110/120Vac
Input Voltage Range	90~280Vac			90~140Vac
<b>AC OUTPUT</b>				
Rated Output Power			3500W	
Maximum Output Current	30A			40A
Frequency	50Hz			60Hz
Overload Current	35A			45A
<b>BATTERY INVERTER OUTPUT</b>				
Rated Output Power			3500W	
Maximum Peak Power			6000VA	
Power Factor			1	
Rated Output Voltage (Vac)	120Vac			230Vac
Frequency	50Hz			60Hz
Auto Switch Period			<15ms	
THD			<3%	
<b>GENERAL DATA</b>				
Communication	RS485/CAN/WIFI			
Storage time /temperature	6 months @25℃;3 months @35℃;1 months @45℃;			
Charging temperature range	0~45℃			
Discharging temperature range	-10~45℃			
Operation Humidity	5%~85%			
Nominal Operation Altitude	<2000m			
Cooling Mode	Force-Air Cooling			
Noise	60dB(A)			
Ingress Protection Rating	IP20			
Recommended Operation Environment	Indoor			
Installation Method	Vertical			
Certification	UN38.3,MSDS,EN55032,EN55024,EN61000-3-2,EN61000-3-3			