



All-in-one Solar Energy Storage System

LS-EOV48 Series



Easy to upscale

- Up to 4 batteries in parallel expand to 20.48kWh
- Up to 2 systems in parallel with double storage & output

User-friendly

- Get started quickly and use it instantly
- Min. width of just 13cm, saving space in the home

Safety

- High quality lithium iron phosphate cells
- Proven Li-ion battery management solutions

Easy to install

- No matching and commissioning required, ready to install
- Plug-and-play, eliminate the clutter of wires

Intelligence

- Support Wifi view real-time data through APP
- Large LCD screen with real-time data

Designed for families

- Support Off-grid/Hybrid/On-Grid output
- Multiple charge and discharge modes available

Product parameters

Model	LS-EOV48-5.0S	LS-EOV48-10.0S	LS-EOV48-15.0S	LS-EOV48-20.0S
BATTERY TECHNICAL SPECIFICATION				
Battery model	LS-EOV48-5.0A			
Number of batteries	1	2	3	4
Battery Energy	5.12kWh	10.24kWh	15.36kWh	2048kWh
Battery Capacity	100AH	200AH	300AH	400AH
Weight	80kg	130kg	190kg	250kg
Dimension Lx Dx H	1190×600×184	1800×600×184	1800×600×184 690×600×184	1800×600×184 1300×600×184
Battery Type	LiFePO4			
Battery Rated Voltage	51.2V			
Battery Working Voltage Range	44.8 ~ 57.6V			
Maximum Charging Current	100A			
Maximum Discharging Current	100A			
DOD	80%			
Parallel Quantity	4			
Designed Life-span	6000			
INVERTER TECHNICAL SPECIFICATION				
Inverter model	LS-EOV48-5.0S			
PV CHARGE				
Solar Charge Type	MPPT			
Maximum Output Power	5000W			
PV Charging Current Range	0~80A			
PV Operating Voltage Range	120~500V			
MPPT Voltage Range	120~450V			
AC CHARGE				
Maximum Charge Power	3150W			
AC Charging Current Range	0~60A			
Rated Input Voltage	220/230Vac			
Input Voltage Range	90~280Vac			
AC OUTPUT				
Rated Output Power	5000W			
Maximum Output Current	30A			
Frequency	50Hz			
Overload Current	35A			
BATTERY INVERTER OUTPUT				
Rated Output Power	5000W			
Maximum Peak Power	10KVA			
Power Factor	1			
Rated Output Voltage (Vac)	230Vac			
Frequency	50Hz			
Auto Switch Period	<15ms			
THD	<3%			
GENERAL DATA				
Communication	RS485/CAN/WIFI			
Storage time / temperature	6 months @25°C; 3 months @35°C; 1 months @45°C;			
Charging temperature range	0~45°C			
Discharging temperature range	-10~45°C			
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			

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