

LESSO



LSRW51V100AH-LFP

LSRW51V120AH-LFP

LSRW51V150AH-LFP

Residential Wall-mounted Energy Storage

LSRW series battery packs are wall-mounted residential lithium batteries, designed entirely for residential ESS applications. With our battery technology, you can easily combine it with a mainstream inverter in different scenarios to save your electrical bill & back-up your power during grid outage or unavailable.

Features



Safety

High safety LiFePO₄ battery; Fire-safe, non-toxic; Lithium ferrous phosphate (LFP) cells. Meet UL1973, IEC62619 UN38.3 certification



Long-lasting

15 years life design.
Long cycle life and superior performance



Flexible

Long cycle life (>6000cycles@ 80% DOD)
Wall mounted



Wide compatibility

Compatible with multiple brands of mainstream inverter use



Environment protection

Non-toxic and pollution-free



Smart WiFi

Support wifi APP and cloud platform monitor



UL1973
UN38.3

Items	LSRW51V100AH-LFP	LSRW51V120AH-LFP	LSRW51V150AH-LFP
Nominal voltage	51.2V	51.2V	51.2V
Nominal capacity	100Ah	120Ah	150Ah
Nominal energy	5.12kWh	6.14kWh	7.68kWh
Usable energy	5.0kWh	6.0kWh	7.5kWh
Recommended charge current	50A	60A	75A
Max. continuous charge current	80A	100A	120A
Max. continuous discharge current	80A	108A	150A
Peak discharge current	300A/3s	500A/3s	500A/3s
Max. continuous discharge power	5kW	6kW	6kW
Peak discharge power	15kW/3s	24kW/3s	24kW/3s
Self-discharge rate (Sleep mode)	Capacity: ≤ 3% / month; ≤ 20% / years		
Standard charge voltage	56.0V		
Floating charge voltage	54.0V		
End of discharge voltage	43.2V		
Communication	RS485 / CAN		
IP rating	IP55		
Cycle life	≥ 6000 cycles @80%DOD		
Net weight	60.7kg	74.2kg	82.3kg
Dimension of product (L*W*H)	454*170*698mm	470*224*695mm	470*243*695mm
Dimension of packaging (L*W*H)	558*407*768mm	/	/
Battery housing	SGCC with white coating		
Operation temperature	0~45°C (32~113°F)		
Recommended operation temperature	15~30°C (59~86°F)		
Storage temperature for short time	-10~45°C (14~113°F)		
Storage temperature for long time	10~35°C (50~95°F)		
Operation humidity	5~95%		
Install altitude	≤ 4000m		
Install location	Under the roof		
Installation	Wall mounted		
Certification	CE / IEC62619 / UL1973 / UN38.3		