

LESSO



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.



Long-lasting

10 years life design. Long cycle life and superior performance



Portable installation

Wall mounted installation method, wheeled mobility.



Wide compatibility

Compatible with multiple brands of mainstream inverter use



Environment protection

Non-toxic and pollution-free

Items	LSRW51V280AH-LFP
Nominal voltage	51.2V
Nominal capacity	280Ah
Nominal energy	14.3kWh
Usable energy	14kWh
Recommended charge current	140A
Max. continuous charge current	200A
Max. continuous discharge current	200A
Max. continuous discharge power	10kW
Self-discharge rate (Sleep mode)	Capacity: ≤ 3% / month
Standard charge voltage	56.0V
End of discharge voltage	40V
Communication	RS485 / CAN
IP rating	IP55
Cycle life	≥ 6000 cycles @90%DOD
Net weight	122kg
Dimension of product (L*W*H)	700*600*248mm
Battery housing	SGCC with white coating
Operation temperature	0~60°C (32~140°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	Floor standing
Certification	UN38.3 / MSDS