

# LESSO



## LSRR51V100AH-LFP Residential Rack Energy Storage

LSRR series battery packs are rack type residential lithium batteries, designed entirely for residential ESS applications. With our battery technology, you can easily combine it with any mainstream inverter in different scenarios to reduce your electrical bill & back-up your power during grid outage or when power is unavailable



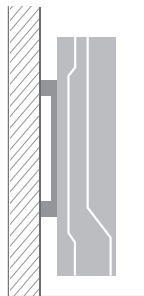
### Modular

Support up to 32 units in parallel, scale from 5 kWh to 160 kWh configuration without external controller

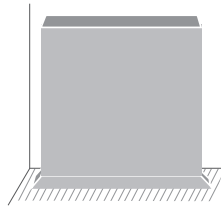


### 4 types of installation

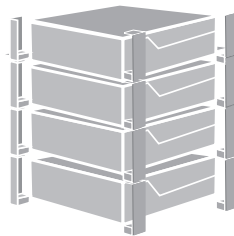
Compact & Flexible. 3U (133mm) standard height design. Optional bracket kits for different installation scenarios.



Wall mounted



Floor mounted



Rack mounted



Stack

CE UK CA UN38.3

Items	LSRR51V100AH-LFP
Nominal voltage	51.2V
Nominal capacity	100Ah
Nominal energy	5.12kWh
Usable energy	4.92kWh
Operating voltage range	44.8V~56.0V
Charge voltage	56V
Float voltage	54.6V
Recommended charge current	50A
Max. charge current	70A
Recommended discharge current	50A
Max. discharge current	100A
Communication	RS485 /CAN
Peak discharge current / unit	101~119A@5mins 120~149A@15S
IP rating	IP20
Cycle life	≥ 6000 cycles @90%DOD
Net weight / unit	47kg
Gross weight / unit	50kg
Dimension of product / unit	482*133.5*460mm
Dimension of packaging / unit	574*217*516mm
Cell type	Lithium-iron phosphate (LiFePO <sub>4</sub> )
Design life	15 years
Operation temperature	-10~50°C (14~122°F)
Storage temperature	-10~45°C(14~113°F)
Relative humidity	5% - 90%, No condensation
Install altitude	≤ 4000m
Install location	Indoor
Installation	Wall mounted / Floor mounted / Stack / Rack mounted
Certification	CE / IEC62619 / UL1973 / UN38.3

[1] Test conditions: 90% depth of discharge (DOD), 0.2C rate charge & discharge at 25°C

[2] Available energy of the system may be different from various inverter brands

[3] Derating occurs when the operating temperature from -10°C to 10°C & 40°C to 50°C