



## Residential Stacked Energy Storage System



204.8V 50Ah, 10.24kWh



256V 50Ah, 12.8kWh



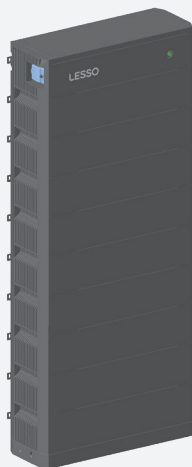
307.2V 50Ah, 15.36kWh



204.8V 50Ah, 10.24kWh



358.4V 50Ah, 17.92kWh



409.6V 50Ah, 20.48kWh



512V 50Ah, 25.6kWh



### Flexible

High-voltage LiFePO<sub>4</sub> battery solution, single module 51.2V 50Ah 2.56kWh, stackable modular design, convenient transportation and easy installation, it can be stacked from 4 to 10 layers.



### Safe and Reliable

Lithium iron phosphate (LFP) battery cells offer high safety, long lifespan, and high effective power. They are optimized for self-consumption in residential and commercial applications, providing efficient energy utilization. Additionally, they are suitable for high-power emergency backup and off-grid functions.



### Perfect compatibility

Compatible with mainstream inverters in the market. Compatible with CANbus/RS485 communication interface. Suitable for both on-grid and off-grid solar energy storage system solutions.

Types	LSRS51V50AH4S	LSRS51V50AH5S	LSRS51V50AH6S	LSRS51V50AH7S	LSRS51V50AH8S	LSRS51V50AH9S	LSRS51V50AH10S
<b>Parametric Performance</b>							
Battery type	LiFePO4						
Battery energy (kWh)	10.24	12.8	15.36	17.92	20.48	23.04	25.6
Nominal voltage (V)	204.8	256	307.2	358.4	409.6	460.8	512
Nominal capacity (Ah)	50	50	50	50	50	50	50
Operating voltage range (V)	172.8 - 230.4	216 - 288	259.2 - 345.6	302.4 - 403.2	345.6 - 460.8	388.8 - 518.4	432 - 576
Number of battery modules	4	5	6	7	8	9	10
Max. charging current (A)	50A(@25°C)						
Standard charging current (A)	10 - 25A						
Max. discharging current (A)	50A(@25°C)						
DOD	80%						
Battery cell	Automotive grade lithium iron phosphate battery cell						
Cycle life	5000 times @80%DOD						
Warranty period	5 years						
Warranty documents provided	Yes						
Compatible inverter	LSRTH6KTL3L, LSRTH8KTL3L, LSRTH10KTL3L, LSRTH12KTL3L, LSRTH15KTL3L or other specified inverter						
<b>Protection Function</b>							
Protection	Over-temperature, over-charge, low voltage, overload and short circuit alarm protection						
<b>Display and Communication</b>							
Display	The working status information of battery, such as SOC, voltage and etc.						
Communication	CAN/RS485						
<b>General Data</b>							
Dimension (L*W*H MM)	770*280*939	770*280*1114	770*280*1289	770*280*1464	770*280*1639	770*280*1814	770*280*1989
Weight (KG)	147	174	201	228	255	282	309
Color	Gray						
Operating temperature	-20°C - +55°C						
Altitude	4000m (> 2000m derating)						
Protection degree	IP21, indoor installation						
Noiseemission	<29 dB						
Relative humidity	5% - 95%						
Cooling	Natural cooling						
Certification	TUV/CE/IEC/UN38.3/UL1973						