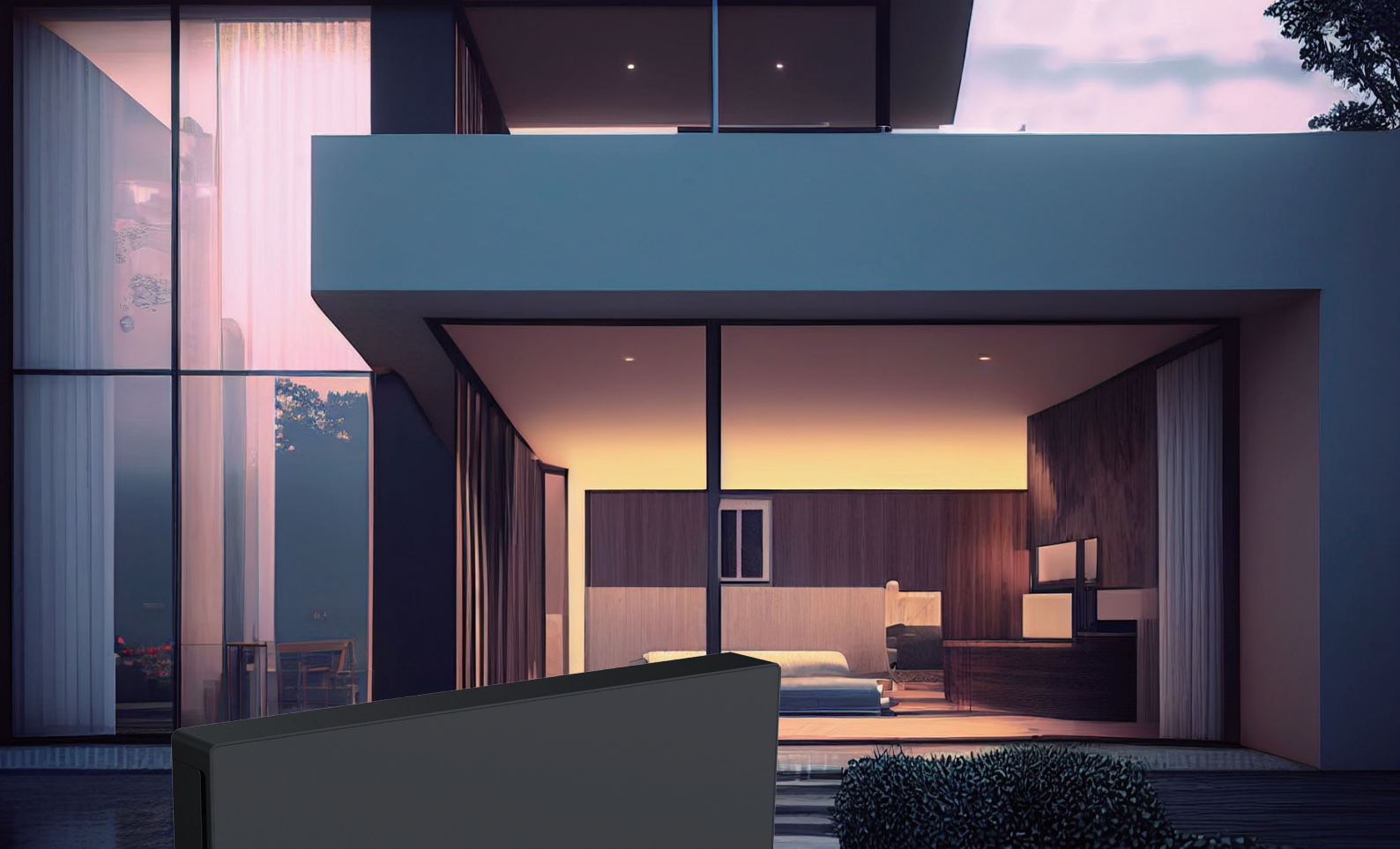


LESSO



Residential Wall-mounted Energy Storage



Flexible

Scalable battery design for easy expansion, Max. 16pc



Easy Installation

Stylish, ultra-thin. Easy connection, saving installation time and cost



Application scenario

Villa, household, farm, base station, field power supply



Safe & Reliable

BYD blade lithium cell. More Safety, longer life cycle and more usable energy, upto to more than 10 years working life



Perfect Compatibility

Compatible to residential 48V hybrid inverter and off grid inverter.
Compatible with CAN / RS485 communication interface. Matching with leading inverter brands

Product Model	LSRW51V120AH-LFP-B1	LSRW51V130AH-LFP-B1
Battery type	BYD blade lithium-iron phosphate (LiFePO ₄)	BYD blade lithium-iron phosphate (LiFePO ₄)
Battery energy	6.144kWh	6.656kWh
Nominal voltage	51.2V	51.2V
Nominal capacity	120Ah	130Ah
Operating voltage range	43.2V-57.6V	43.2V-57.6V
Standard charging mode	Constant current charging (CC)	Constant current charging (CC)
Standard charging current	30A @ 25°C	30A @ 25°C
Max. constant charging current	120A @ 25°C	130A @ 25°C
Charge limit voltage	60.8V	60.8V
Standard discharging mode	Constant current discharging (CC)	Constant current discharging (CC)
Standard discharging current	30A @ 25°C	30A @ 25°C
Max. discharging current	120A @ 25°C	130A @ 25°C
Discharge cut-off voltage	32V	32V
Scalability	Max. 16 strings in parallel	Max. 16 strings in parallel
Depth of discharge	80%	80%
Design life	>10 years (25°C/77°F)	>10 years (25°C/77°F)
Protection	Over-temperature, over charge, under-voltage, over-current, short circuit alarm functions	Over-temperature, over charge, under-voltage, over-current, short circuit alarm functions
Display	LED indicator	LED indicator
Communication	CAN / RS485	CAN / RS485
Dimension (W*D*H)	1078*140*437mm	1078*140*437mm
Weight	76.9kg	76.9kg
Installation	Wall mount	Wall mount
Shipping status SOC	20% ~ 30%	20% ~ 30%
Charging temperature	-20 ~ +55°C	-20 ~ +55°C
Discharging temperature	-30 ~ +60°C	-30 ~ +60°C
Short term storage ambient temperature	-20 ~ +35°C (<3 months, 20 ~ 60% SOC)	-20 ~ +35°C (<3 months, 20 ~ 60% SOC)
Long term storage ambient temperature	20 ~ +30°C (< 1 year, 30~60% SOC)	20 ~ +30°C (< 1 year, 30~60% SOC)
Max.operating altitude	4000m (derating above 2,000m)	4000m (derating above 2,000m)
Protection degree	IP21, indoor installation	IP21, indoor installation
Relative humidity	5% ~ 95%	5% ~ 95%
Cooling	Natural cooling	Natural cooling
Noise emission	<29db	<29db
Certificate	CE,UN38.3	CE,UN38.3

Remarks: Specifications are subject to change without notice; Special voltage and power requirements can be customized designed