



## Residential Energy Storage System



LRS3KW5KWH-A01



LRS5KW10KWH-A01



LRS5KW15KWH-A01



LRS5KW20KWH-A01



### 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.



### convenient combination

The stackable number of battery packs can range from 1 to 4 PCS according to different needs. Suitable for grid-tied and off-grid solar energy storage system solutions. Featuring a unique braking wheel design for easy installation and movement.

Types	LSRS3KW5KWH-A01	LSRS5KW10KWH-A01	LSRS5KW15KWH-A01	LSRS5KW20KWH-A01
<b>Parametric Performance</b>				
Battery Type	LiFePO4			
Rated Power(kW)	3	5	5	5
Nominal Energy(kWh)	5	10	15	20
Operating Voltage(VAC)	230	230	230	230
Number of Battery Modules	1	2	3	4
Input Voltage Range	170-280VAC, 90-280VAC			
Rated Frequency	50/60Hz			
Output Voltage Range	220/230VAC±5%			
Overload Protection	5s@>=150%Load, 10s@110%~150%Load			
Switching Time	20ms			
Battery Voltage	48VDC			
Float Charging Voltage	54VDC			
Overcharge Protection	63VDC			
Charging Method	CC/CV			
PV Charging Types	MPPT			
PV Maximum Input Power	3300W	5500W		
MPPT Voltage Range	120VDC~450VDC			
PV Maximum Voltage	500VDC			
Cycle Life	≈6000 times			
<b>Protective Function</b>				
Protection	Over-temperature, over-charging, low voltage, over-loading, and short-circuit alarm protection			
<b>Display and Communication</b>				
Display	Information about the battery's working status, such as SOC, battery voltage, etc.			
Communication	CAN/RS485			
<b>Device Parameters</b>				
Inverter Size(mm)	D*W*H 438x438x130			
Inverter Weight(Kg)	10			
Battery Size(mm)	D*W*H 460x445x133			
Single Battery Weight(Kg)	45			
Color	Black			
<b>Environmental parameters</b>				
Operation Temperature	-15°C~+55°C			
Recommended Temperature	25°C			
Altitude	< 2000m			
IP Rating	IP21, indoor installation			
Relative Humidity	5%-95% non-condensing			
Cooling Method	Natural heat dissipation			
Certification	CE/IEC/UN38.3			