

Residential Energy Storage System (Low Voltage & Stackable)

RS-LBS51.2-100-W



High Efficiency

Max. efficiency 94%



Easy installation

50 Kg Battery modules



Safety and Reliability

Lithium-ion phosphate
battery cells



System integration

Integrated design, plug and
play, no compatibility issues

Product Information



Scalable from 5 kWh to 60 kWh



Self-Consumption Optimization



Maximum flexibility for any applications with up to 12
modules connected in parallel



Integrated with inverter to avoid the compatibility
problem



LFP battery, safety and long cycle life



Stackable design, effortlessly installation



Capable of High-Powered Emergency-Backup
and Off-Grid Function

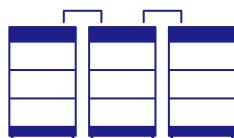
⚡ Battery Module

- 5.12 kWh per Module
- Modular and Stack Installation Design to simplify the maintenance
- Connect up to 12 module in parallel for a maximum size of 60 kWh

Flexible, Efficient, Simple



Plug Connection
No Additional Wiring Required



5-60KWH
Tailored Sizing for Each Application



Extend Anytime
Easily Adapts to New Requirements



High Power
Power for Every Application

Technical Parameters

Inverter	LBS 5.6KW Inverter-W	
Rated Power	5600W	
Maximum PV Array Open Circuit voltage	500VDC	
MPPT Voltage Range	120-450V	
Nomial Output Voltage	220/230/240VAC	
Output Voltage Range	184-265VAC	
Nominal Output Current	25.5A/24.3A/23.3A	
Efficiency	Up to 93.5%	
Grid Output Voltage Range	120-280VAC	
Grid Frequency	50/60Hz(Auto Sensing)	
Maximum AC Charge Current	120A	
Maximum Solar Charge Current	120A	
Nominal DC Voltage	48VDC	
Battery Model	LBS51.2-100S-W	
Combination Method	16S1P	
Rated Capacity	Typical	100Ah
	Minimum	98Ah
Rated Voltage	51.2V	
Limited Discharge Voltage	43.2V	
Limited Charge Voltage	57.6V	
Internal Resistance(single battery pack)	≤20mΩ	
Max Continuous Charging Current	100A	
Max Continuous Discharging Current	100A	
Operation Temperature Range	Charge:0~50℃/ Discharge: -10~50℃	
Storage Temperature Range	0~50℃,Recommend: ≤60±25%RH storage humidity	
Single Module Size/weight	680*429*215mm /50Kg±1Kg	
Overall Size/weight	680*429*540mm /85Kg±1Kg	