



### PRODUCT OVERVIEW

Complete power storage system features long life LiFePO4 batteries with high performance battery management system (BMS) and PCS is suitable for a wide range of applications.

RS-S is a new generation of household energy storage system That can store between 10.2kWh and 20.4kWh of power. The RS-S energy storage system's modular design, including power modules and battery expansion modules, can be easily combined into a system of any capacity required.

### FEATURES

#### SAFETY

- High safety LiFePO4 battery, designed to comply with IEC, UL standards.
- Battery cells comply with UL9540A standard.

#### EASY INSTALLATION

- Modules are installed by simple stacking.

#### SCALABILITY

- 10.24kWh ~ 20.48kWh can be extended

#### LONG LASTING

- 15 years design life.
- Long cycle life and superior performance.
- High quality materials with a timeless design.

#### WIDE COMPATIBILITY

- Compatible with multiple popular inverters.

#### WIFI COMMUNICATIONS

- Optional Wi-Fi communications.

### APPLICATIONS

- Emergency power supply
- Home backup storage
- Solar power storage
- Telecommunications backup power storage
- Data storage/UPS backup power storage
- Off-grid power

### Product Description

PART#	DESCRIPTION	VOLTAGE	CAPACITY	OUTPUT	MODULES
EV-RS-S51200A	200Ah 48v LiFePO4 Battery	51.2V	10.24kWh	200Ah	2
EV-RS-S51300A	300Ah 48v LiFePO4 Battery	51.2V	15.36kWh	300Ah	3
EV-RS-S51400A	400Ah 48v LiFePO4 Battery	51.2V	20.48kWh	400Ah	4

### Specifications

MODEL#	EV-RS-S51200A	EV-RS-S51300A	EV-RS-S51400A
Number of Battery Modules	2	3	4
Nominal Energy	10.24kWh	15.36kWh	20.48kWh
Nominal Voltage	51.2		
Operating Voltage Range	48V~56V		
Nominal Capacity	200Ah	300Ah	400Ah
Max Charge Current	100A	150A	200A
Max Discharge Current	200A		
Communication	CAN / RS485		
WiFi	Supported		
Display	LED indicator, SOC status indicator		
IP Rating	IP55		
Cycle Life	≥6000 cycles		
Battery Module Weight	297.6lbs	429.9lbs	551lbs
Module Dimension (L*W*H)	27.5*16.7*23.2 inches	27.5*16.7*29.3 inches	27.5*16.7*35.4 inches
Cell Type	Lithium iron phosphate (LiFePO4)		
Design Life	15 years		
Operating Temperature	Charge: 32°~113°F / Discharge: 20°~140°F		
Relative Humidity	5%~95%		
Installation Altitude	≤4000m		
Certification	Battery cells comply with UL9540A standard. Batty pack complies with CE / IEC62619 / UL1973 / UN38.8		

### Product Images



EV-RS-S51200A



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