



Key Features

- **Expandable (5kWh, 10kWh, 15kWh and 20kWh)** – Expand up to 3 clusters, batteries per group providing 60kWh capacity.
- **Simple Installation** – Provides convenience and peace of mind for the installer knowing that each installation will be simple and straightforward.
- **Lightweight** – Each component weighs no more than 100 lbs.
- **Certifications** – UL1973, UL9540
- **Safety** – The battery operates under a low voltage 48v system providing peace of mind to the end user.
- **WiFi Standard** – Built-in antenna provides remote access and monitoring via mobile app.
- **Energy Management** – Pair with a Renogy X inverter and save on utility bills by avoiding peak TOU rates.

Key Partners



Technical Specifications

Size	5kWh	10kWh	15kWh	20kWh
Mode Number	RES0505BS-51LFP	RES1009BS-51LFP	RES1510BS-51LFP	RES2010BS-51LFP
Battery Qty.	1	2	3	4
Rated Energy (kWh)	5	10	15	20
Rated Output (kW)	5	9	10	10
Max Output (kW)	5.5	9.9	11	11
Rated Capacity (Ah)	100	200	300	400
Max. Discharge Current (A)	100	180	200	200
Dimensions (W x H x D) (in/mm)	22.5 x 23.5 x 7.4 (573 x 597 x 189)	22.5 x 36 x 7.4 (573 x 912 x 189)	22.5 x 48.3 x 7.4 (573 x 1227 x 189)	22.5 x 60.7 x 7.4 (573 x 1542 x 189)
Weight (lb/kg)	128 (65)	227 (115)	326 (165)	443 (215)
Nominal Voltage (V)	51.2			
Operating Voltage Range (V)	44.8 - 55.2			
Max. Charging Current (25°C)	50A			
External Communication	CAN/RS485/WiFi			
Communication Display	Charge overvoltage, discharge undervoltage, overcurrent, overtemperature			
Operating Temperature (F/C)	Charging: 14°to 122° (-10° to 50° / Discharging -4° to 122° (-20° to 50°)			
Operating Humidity	10%-95%			
Altitude	<4000m			
Cell Type	LFP			
Cell Configuration	1P16S			
Cycle Life	>6000 Cycles			
Certifications	UL1973, UL9540			
Protection Rating	IP55			
Warranty	10 Years			

Model	Description
RSA200BCK04REB5A	Battery Control Module & Base
RES0505BT-51LFP	5kWh Module
RSA200BCM-4REB5A	Control Box
RSA00BS-REB5A	Base