

rubix

STACK



SPECIFICATIONS

MODEL RS25200

VERSION 3.1



RS25200 24V/200AH

SPECIFICATIONS

VERSION 3.1

support@rubixbattery.com
rubixbattery.com
330-577-8249



Model

Energy Rating	25.6V 200Ah (5.12kWh)
Energy Scalability	32 × Parallel (163.84kWh)

Charging/Discharging

Max Continuous Discharge Power	180A (4.6kW)
Recommended Discharge Power	150A (3.84kW)
Inverter Start-Up Capability	PWM Technology Start-Up
Peak Discharge Power (3 sec)	400A (10.2kW)
Max Continuous Charging Power	140A (3.58kW)
Recommended Absorb Volts	28.4V
Max Absorb Volts (Solar Only)	28.8V
Absorb Done Amps (per Battery)	4% of capacity
Absorb Done Time	10 min
Float Voltage	27.2V
Temp Comp—mV Degrees Celsius	0
Max Recommended Discharge	25.5V (20%)
Inverter Low Battery Cutout	24V
Peukert Exponent	1.04

Installation Requirements

Ventilation Required	No
Minimum Environment Temp	32 °F
Maximum Environment Temp	120 °F
IP Rating	IP50
Outdoor Rated	No
Installation Position	Horizontal with Base Unit Only
Maximum Batteries per Stack	7

Terminal Specs

M8 Stainless Steel	Bolt-On
Max Terminal Torque	18 ft-lbs

SPECIFICATIONS, CONTINUED

RS25200 24V/200AH

Cycle Life Rating

Rated Cycle Life (100% DoD)	4,500 Cycles
Rated Cycle Life (80% DoD)	6,000 Cycles
Rated Cycle Life (50% DoD)	8,000 Cycles
Retained Capacity at End of Cycle Life	80%

Safety Features

Breaker Current Rating	250A
BMS Low Voltage Disconnect	20.5 +/-1V
BMS High Voltage Disconnect	29.5 +/-1V
BMS Low Temp Charging Disconnect	32 °F
BMS Low Discharging Disconnect	0 °F
Low Volts Cutout Wakeup	22V
High Volts Cutout Wakeup	27.5V
BMS High Temp Disconnect	135 °F
Pressure Vented Cells	Yes
Rapid Shut Down Function (RPSD)	Yes

Certifications

Cell Certification	UL 1973
Transport	UN 38.3

Internal Components

Cell Chemistry	LiFePO4
Cell Format	Prismatic
Balancing Type	Impactiv
Max Balancing Current	1.1A
Cell Connection	Welded busbar

Touchscreen LCD Features

State-of-Charge	Charging/Discharging Current	Fault Logging
Pack Voltage	Individual Cell Voltage	Closed Loop Comm Plus

Dimensions

Battery	22.6" × 19.3" × 6.2"
Base	22.6" × 19.3" × 6.8"
Lid	22.6" × 19.3" × 0.8"

SPECIFICATIONS, CONTINUED

RS25200 24V/200AH

Spacing

Minimum Spacing between Batteries and Wall	3 inches
Minimum Spacing between Parallel Battery Stacks	4 inches
Minimum Spacing between Top of Battery Stack and Solar Equipment on Wall	6 inches
Minimum Spacing between Battery Bank and Water Sources/Conductors	4 feet

Weight

Battery Weight	108 lb
Base Weight	42 lb
Lid Weight	20.9 lb



HOW DOES IT STACK UP?

Each unit provides 5.12kWh.

