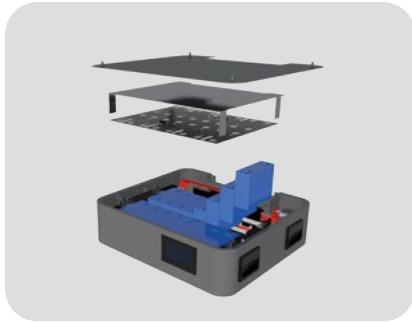


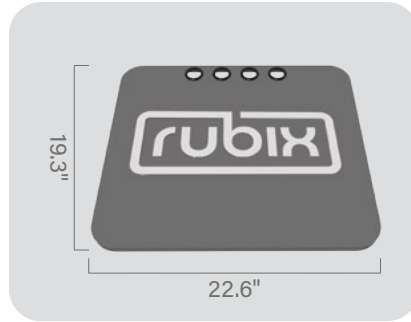
	<b>RS51100 (48V100AH)</b>	<b>RS25200 (24V200AH)</b>
<b>MODEL</b>		
ENERGY RATING	51.2V 100AH (5.12KWH)	25.6V 200AH (5.12KWH)
ENERGY SCALABILITY	32 × PARALLEL (163.84KWH)	32 × PARALLEL (163.84KWH)
<b>CHARGING/DISCHARGING</b>		
MAX CONTINUOUS DISCHARGE POWER	90A (4.6KW)	180A (4.6KW)
RECOMMENDED DISCHARGE POWER	75A (3.84KW)	150A (3.84KW)
PEAK DISCHARGE POWER (3SEC)	200A (10.2KW)	400A (10.2KW)
MAX CONTINUOUS CHARGING POWER	70A (3.58KW)	140A (3.58KW)
PEAK CHARGING POWER (30MIN)	80A (4KW)	160A (4KW)
RECOMMENDED ABSORB VOLTS	56.8V	28.4V
MAX ABSORB VOLTS (SOLAR ONLY)	57.6V	28.8V
ABSORB DONE AMPS (PER BATTERY)	5A	5A
ABSORB DONE TIME	10MIN	10MIN
FLOAT VOLTAGE	54.4V	27.2V
TEMP COMP—MV DEGREES CELSIUS	0	0
MAX RECOMMENDED DISCHARGE	51V (20%)	25.5V (20%)
INVERTER LOW BATTERY CUTOFF	48V	24V
LOW VOLTS CUTOFF WAKEUP	44V	22V
HIGH VOLTS CUTOFF WAKEUP	55V	27.5V

	<b>RS51100 (48V100AH)</b>	<b>RS25200 (24V200AH)</b>
<b>INSTALLATION REQUIREMENTS</b>		
VENTILATION REQUIRED	NO	NO
MINIMUM ENVIRONMENT TEMP	32 °F	32 °F
MAXIMUM ENVIRONMENT TEMP	120 °F	120 °F
IP RATING	IP50	IP50
OUTDOOR RATED	NO	NO
INSTALLATION POSITION	HORIZONTAL WITH BASE UNIT ONLY	
MAXIMUM BATTERIES PER STACK	6	6
<b>TERMINAL SPECS</b>		
M8 STAINLESS STEEL	BOLT-ON	BOLT-ON
MAX TERMINAL TORQUE	20FT-LBS	20FT-LBS
<b>CYCLE LIFE RATING</b>		
RATED LIFE CYCLE (100% DOD)	4,500 CYCLES	4,500 CYCLES
RATED LIFE CYCLE (80% DOD)	6,000 CYCLES	6,000 CYCLES
RATED LIFE CYCLE (50% DOD)	8,000 CYCLES	8,000 CYCLES
RETAINED CAPACITY AT END OF CYCLE LIFE	80%	80%
<b>SAFETY FEATURES</b>		
BREAKER CURRENT RATING	150A	250A
BMS LOW VOLTAGE DISCONNECT	41 +/-1V	20.5 +/-1V
BMS HIGH VOLTAGE DISCONNECT	59 +/-1V	29.5 +/-1V
BMS LOW TEMP CHARGING DISCONNECT	32 °F	32 °F
BMS LOW DISCHARGING DISCONNECT	0 °F	0 °F
BMS HIGH TEMP DISCONNECT	135 °F	135 °F
PRESSURE VENTED CELLS	YES	YES
RAPID SHUT DOWN FUNCTION (RPSD)	YES	YES

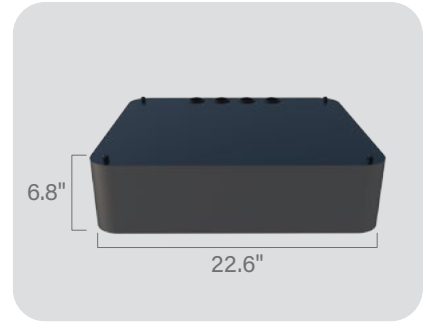
	<b>RS51100 (48V100AH)</b>	<b>RS25200 (24V200AH)</b>
<b>CERTIFICATIONS</b>		
BATTERY CERTIFICATION	UL 9540A	CELLS-1973
TRANSPORT	UN 38.3	UN 38.3
<b>INTERNAL COMPONENTS</b>		
CELL CHEMISTRY	LIFEP04	LIFEP04
CELL FORMAT	PRISMATIC	PRISMATIC
BALANCING TYPE	IMPACTIVE	IMPACTIVE
MAX BALANCING CURRENT	1.1A	1.1A
CELL CONNECTION	WELDED BUSBAR	WELDED BUSBAR
<b>TOUCHSCREEN LCD FEATURES</b>		
STATE-OF-CHARGE	✓	✓
PACK VOLTAGE	✓	✓
CHARGING/DISCHARGING CURRENT	✓	✓
INDIVIDUAL CELL VOLTAGE	✓	✓
FAULT LOGGING	✓	✓
INVERTER COM. SELECTION	✓	✓
<b>PHYSICAL DIMENSIONS</b>		
BATTERY	22.6" × 19.3" × 6.2"	22.6" × 19.3" × 6.2"
BASE	22.6" × 19.3" × 6.8"	22.6" × 19.3" × 6.8"
LID	22.6" × 19.3" × 0.8"	22.6" × 19.3" × 0.8"
<b>WEIGHT</b>		
BATTERY	108 LB	108 LB
BASE	42 LB	42 LB
LID	20.9 LB	20.9 LB



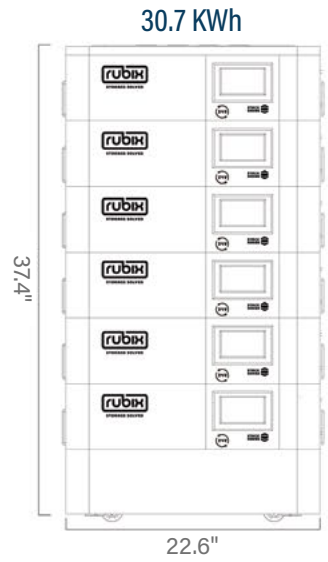
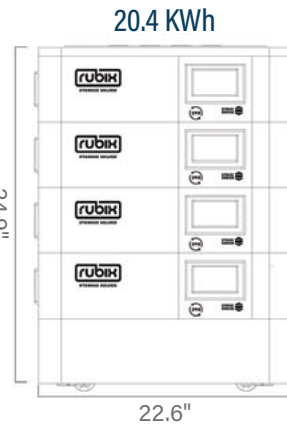
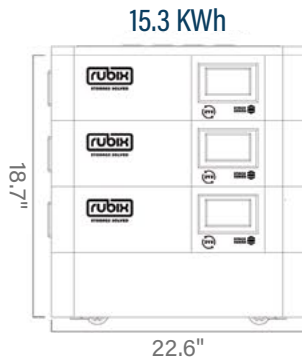
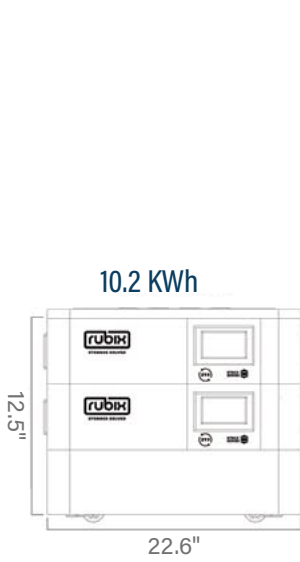
48V100Ah/24V200Ah  
(Internal View)



48V100Ah/24V200Ah  
(Lid Sizes)



48V100Ah/24V200Ah  
(Base Sizes)



24V Battery



48V Battery



Individual Battery Modules

## **BATTERY SPACING REQUIREMENTS**

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**

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