

Rubix, Stackable Battery Power Storage

Rubix batteries make home power backup more effective than ever.

“Storage Solved”

Safety

Our batteries are made with LFP (Lithium Iron Phosphate). This formula is heavier than others, but is much safer and has a longer lifespan. Avoid recalls and insurance claims. Your battery should help your home, not burden it.

Sizing

Our batteries are modular, meaning you can stack them like blocks. This enables custom sizing depending on your desire/needs and makes future expansion very easy and cost-effective. Each module is 5.0 kWh giving you a range of 5.0- 30 kWh per Stack.



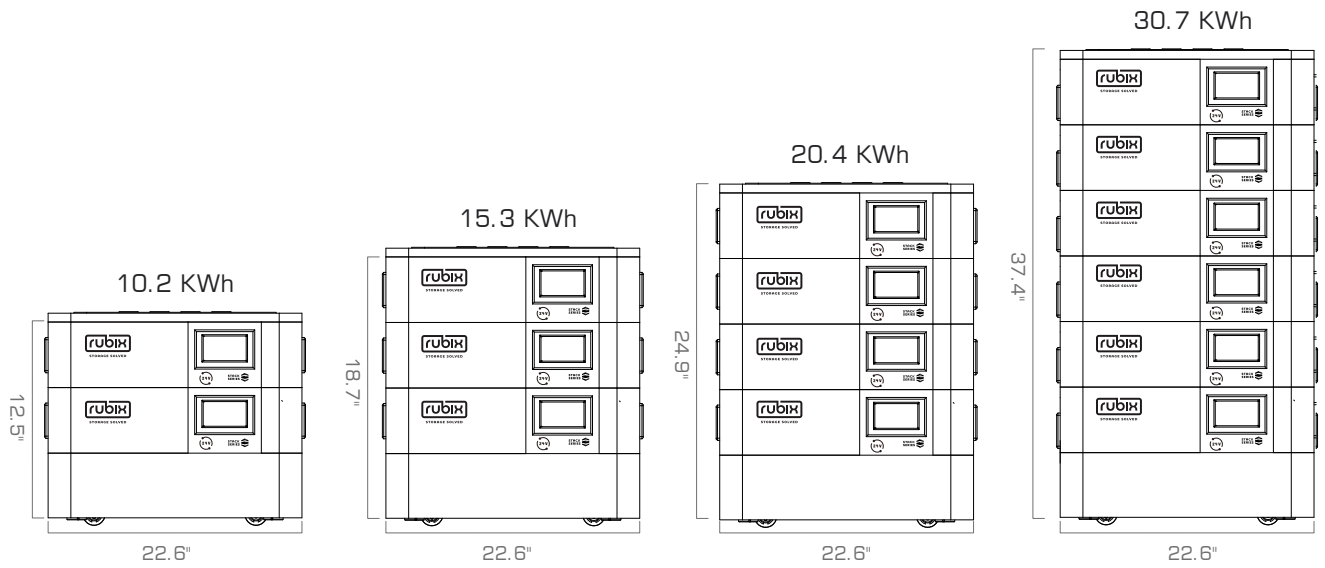
Concept

Store your power for later use. A home battery can not only reduce your utility bill, but also allow you to take your home off-grid. Store the renewable energy you harness from wind/solar to further benefit your home and environment.

Actual Customer Support. No overseas call center needed
Each unit can function independently

Safe
Robust
Expandable
No maintenance
10 year warranty
Design Life: 14+ years
Real-world proof of durability

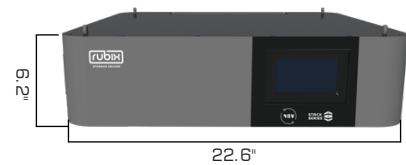




24V Battery



48V Battery



Individual Battery Modules



**Sales * Service
* Installations**
**Solar & Electrical
Power Solutions**
717-768-7796

STACK SERIES



STORAGE SOLVED

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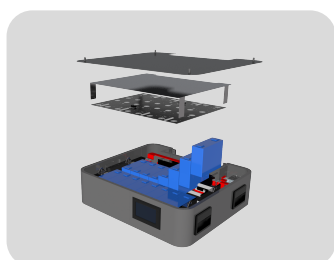
SPEC SHEET

(Version 1.0)

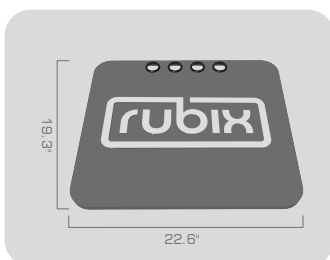
| Model | RS-51100(48V100Ah) | RS-25200(24V200Ah) |
|--|--------------------------------|---------------------------|
| Energy Rating | 51.2V 100AHh (5.12kwh) | 25.6V 200AHh (5.12kwh) |
| Energy Scalability | 32 x Parallel (163.84kwh) | 32 x Parallel (163.84kwh) |
| Charging/Discharging | | |
| Max Continues 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 (20.4kw) |
| Max Continues 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 Cutout | 48V | 24V |
| Low Volts Cutout Wakeup | 44V | 22V |
| High Volts Cutout Wakeup | 55V | 27.5V |
| Installation Requirements | | |
| 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 |
| Terminal Specs | | |
| M8 Stainless Steel | Bolt-on | Bolt-on |
| Max Terminal Torque | 20ft-LBS | 20ft-LBS |
| Cycle Life Rating | | |
| Rated Cycle Life (100% DOD) | 3000 cycles | 3000 cycles |
| Rated Cycle Life (80% DOD) | 4500 cycles | 4500 cycles |
| Rated Cycle Life (50% DOD) | 7000 cycles | 7000 cycles |
| Retained Capacity at end of Cycle Life | 80% | 80% |



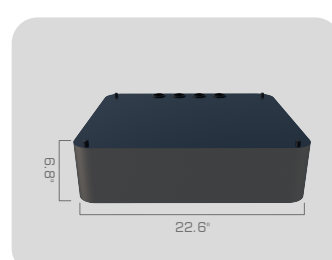
| Safety Features | | |
|-------------------------------------|------------------|------------------|
| Breaker Current Rating | 150A | 250A |
| BMS Low Voltage Disconnect | 41 +/-1V | 20.5 +/-1V |
| BMS High Voltage Disconnect | 59 +/-1V | 29.5 +/-1V |
| BMS Low Temp Charging Disconnect | 32° F | 32° F |
| BMS Low Temp 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 |
| Certifications | | |
| Battery Certifications | Pending UL 9540A | — |
| Transport | UN 38.3 | UN 38.3 |
| Internal Components | | |
| Cell Chemistry | LiFePO4 | LiFePO4 |
| Cell Format | Prismatic | Prismatic |
| Balancing Type | Impactive | Impactive |
| Max Balancing Current | 1.1A | 1.1A |
| Cell Connection | Welded Bus Bar | Welded Bus Bar |
| Touchscreen LCD Features | | |
| State — of — Charge | Yes | Yes |
| Pack Voltage | Yes | Yes |
| Charging/Discharging Current | Yes | Yes |
| Individual Cell Voltage | Yes | Yes |
| Fault Logging | Yes | Yes |
| Inverter Com. Selection | Yes | Yes |
| Physical Dimensions | | |
| Battery | 22.6"x19.3"x6.2" | 22.6"x19.3"x6.2" |
| Base | 22.6"x19.3"x6.8" | 22.6"x19.3"x6.8" |
| Lid | 22.6"x19.3"x0.8" | 22.6"x19.3"x0.8" |
| Weight | | |
| Battery | 108lb | 108lb |
| Base | 42lb | 42lb |
| Lid | 20.9lb | 20.9lb |



48V100Ah/24V200Ah
(Internal View)



48V100Ah/24V200Ah
(Lid sizes)



48V100Ah/24V200Ah
(Base sizes)