








Store PV energy with Green Rhino Energy Storage Systems

Crystal® batteries and BMS technology make Green Rhino ESS systems the safest for indoor use with no maintenance.

The system provides clean and uninterrupted power in any application. Avoid high energy prices using an intelligent, economical, and reliable system.

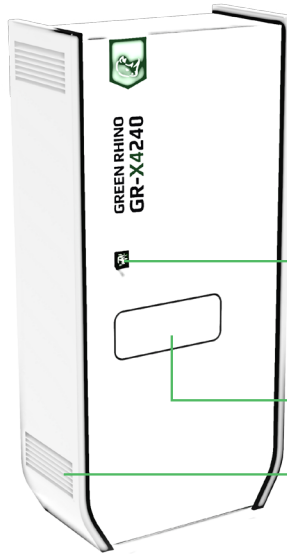
-  The safest system available in the market
-  Grid independence, avoid utility price increases
-  Significantly reduce electricity costs
-  Back-up power in the event of grid failure
-  10 year warranty



GR-X4240

TECHNICAL DATA

The growing popularity of residential solar panels has stimulated the interest in energy storage. Green Rhino ESS systems greatly benefit home owners by storing surplus energy which is harvested.



SAFETY DISCONNECT

ACCESS PANEL

FORCED CONVECTION

PERFORMANCE SPECIFICATIONS

| | |
|--|---|
| Model | GR-X4-240 |
| AC Voltage | 120 VAC +/-3% <5% THD |
| Feed-In Type | Single phase |
| Transfer Time | 8ms |
| Grid Frequency | 50/60Hz |
| Power | 6.8kW (12kW @ 60s) |
| Storage | 9.3 kWh gross |
| Effective Storage | 2900W @ 1.6 hrs, 1680W @ 3.2 hrs 750W @ 8 hrs, 410W @ 16 hrs |
| Max. DC Batt. Current to Inverter | 180 A |
| Max. Continuous Current | 60 A |
| Max. Output Current (60sec) | 102 A |
| PF Full Charge Rate | 98% |
| Idle Consumption | <28W |
| Recommended Depth of Discharge | 50% |
| Efficiency | 97% battery, 95.7% inverter |
| Electrical Insulation | 2000VAC, 1 minute |
| Cooling | Thermal convection |
| Warranty | 10 years |

ENERGY GATEWAY SPECIFICATIONS

| | |
|-----------------------------|---|
| User Interface | Mobile device |
| Connectivity | WiFi |
| Intelligent Features | Grid sell, peak load shave, generator support, Prioritized consumption of battery or external DC energy |

| | |
|--------------------------|-------------------------------|
| Operating Modes | Wide range of usage scenarios |
| Backup Operation | Yes |
| Modularity | Yes |
| Remote Monitoring | Optional |

ENVIRONMENTAL SPECIFICATIONS

| | |
|------------------------------|--------------------------------|
| Operating Temperature | -20°C to 60°C (-4°F to 140°F) |
| Storage Temperature | -40°C to 85°C (-40°F to 185°F) |
| Relative Humidity | 0-95%, non condensing |
| Maximum Altitude | <2000m (6562ft) |
| Environment | Indoor / outdoor |
| Enclosure Type | IP24; NEMA 3R |

MECHANICAL SPECIFICATIONS

| | |
|-------------------------------|---|
| Dimensions (W x H x D) | 74cm x 127cm x 36cm (29in x 50in x 14in) |
| Weight | 301 kg (664 lbs) loaded |
| Mounting options | Floor mount |

COMPLIANCE SPECIFICATIONS

| | |
|---------------|---|
| Safety | UL 1741, CSA 107.1, UL 1989, UL 1778 UL508, IEEE 1547, UL 1741-SA and CSA 107.1, FCC and Industry Canada Class B, FCC part 15, Class B Industry Canada, ICES-003 Issue 5, Class B |
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MADE IN USA