








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.

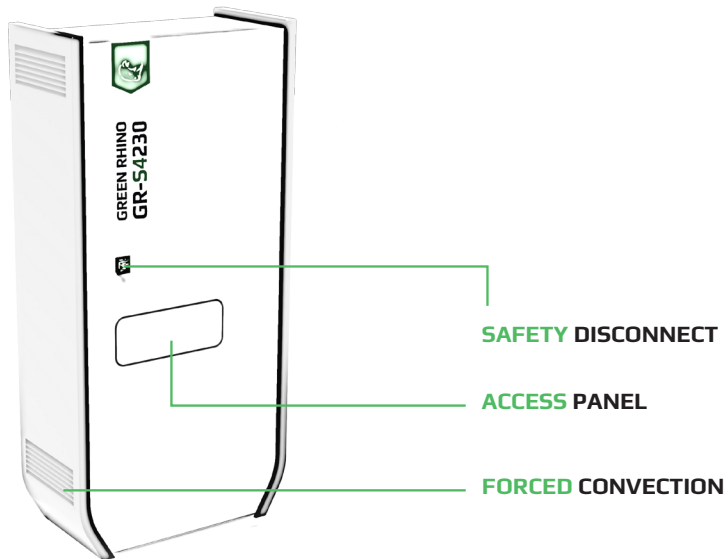
-  The safest system available in the market
-  Grid independence, avoid utility price increases
-  Significantly reduce electricity costs
-  Back-up power in the event of grid failure
-  10 year warranty



GR-S4230

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.



PERFORMANCE SPECIFICATIONS

Model	GR-S4-230
AC Voltage	120/240 VAC Split
Feed-In Type	Single / Split-phase
Transfer Time	<1 cycle (16.7ms)
Grid Frequency	50/60Hz Selectable
Power	3.8KW (4.4KW @ 30 min, 7KW @ 5s)
Storage	9.3 KWh gross
Effective Storage	2950W @ 1.6 hrs, 1700W @ 3.2 hrs 770W @ 8 hrs, 420W @ 16 hrs
Optimal Wave Form	True Sine Wave
Optimal Inverter Efficiency	94%
Idle Consumption Search Mode	<11 W
Input AC Voltage	48V
Optimal Charge Efficiency	92%
Battery Type	Crystal® Battery
Recommended Depth of Discharge	80%
Efficiency Battery	97%
Cooling	Convection
Warranty	10 years

ENERGY GATEWAY SPECIFICATIONS

User Interface	Mobile device
Connectivity	WiFi
Remote Monitoring	Optional

Operating Modes	Wide range of usage scenarios
Backup Operation	Yes
Modularity	Yes

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%, RH, non condensing
Maximum Altitude	<2000m (6562ft)
Environment	Indoor / outdoor
Enclosure Type	Steel
Ingress Rating	IP14; NEMA 3R

MECHANICAL SPECIFICATIONS

Dimensions (W x H x D)	74cm x 127cm x 36cm (29in x 50in x 14in)
Weight	274 kg (604 lbs) loaded
Mounting options	Floor mount

COMPLIANCE SPECIFICATIONS

Safety	UL1741, UL1778, UL508, UL1989, IEC60896-211
Emissions	FCC Part 15 Class B

V01REV04

MADE IN USA