

Green Rhino Energy Solutions
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2.3KWh LEISURE A1 DATASHEET

www.greenrhino-energy.com



IT'S WHAT WE DO.

OUR BUSINESS

Green Rhino exclusively provides power systems to the public which can supply from 100W to 100MW by use of the lead-crystal battery technology.

BUILT ON THE EXCEPTIONAL LEAD-CRYSTAL BATTERY

A battery technology that is 100% safe, fast-charging, maintenance-free, long lifetime at high temperature, and priced just right.

The philosophy of Green Rhino is to develop systems with a homogenous platform. This consistent design methodology based upon years of experience, makes our energy systems as indestructible as the rhino in Green Rhino Energy.

Green Rhino empowers your energy independence into a renewable and commercial success.



Lower CAPEX, lowest OPEX, and increase ROI



Proven technology (7+ years of development)



Secure supply chain and assembly in USA

Technical Specifications

Model	GR-LEISURE-A1
Dimensions	(W x B x L): 0.71 x 0.71 x 0.2 m (28x28x8 in)
Weight	102kg (225lbs) loaded
AC Output	60Hz +/- 0.3Hz 100-110-120 VAC +/- 10% RMS
Power	2.5kW (5kW @ 40ms) 0.9 to 1.0 (PF)
Efficiency	97% battery 88% inverter
Phases	1 phase, in-line
Idle consumption	<55W
Distortion	<10% THD
Transfer time	6-8ms typical 10ms (max)
Electrical insulation	2000VAC, 1 Minute
Protection	AC input protection Overtemperature Overload Short circuit Back-feeding
Cooling	Forced convection
Storage	2.3kWh gross
Protection	IP54 (NEMA 3)
Effective power	650W @ 1.6 hrs 360W @ 3.2 hrs 240W @ 4.8 hrs 140W @ 8 hrs
Working temperature	0 to 50 °C, no derate (30 to 130 °F)
Relative humidity	0-95%, non-condensing
Lifetime	5 year design @ 25°C 1507 cycles, 80% DoD

Specifications subject to change without notice.

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CHECK OUT THESE KEY FEATURES.



Remote/Back-up power

The Leisure A1 is perfect for small remote-power or backup loads like computers, refrigeration, and similar appliances.



Forced ventilation

The Leisure A1 has excellent cooling which allows the system to operate in high ambient temperature with high reliability.



Long life at temperature

The lead-crystal batteries are excellent performers at extreme temperatures when others fail. The battery lifetime is more than 250% of similarly priced batteries at deep discharge.

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