

Green Rhino Energy Solutions
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4.6KWh LEISURE-A2 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-A2
Dimensions	(W x B x L): 1.17 x 0.71 x 0.2 m (46x28x8 in)
Weight	153kg (337lbs) loaded
AC Output	50/60Hz +/- 0.3Hz 100-110-120 VAC or 220-230-240VAC +/- 10% RMS
Power	4kW (12kW @ 20s) 0.9 to 1.0 (PF)
Efficiency	97% battery 88% inverter
Phases	1 phase, bypass
Idle consumption	55W
Distortion	<10% THD
Transfer time	6-8ms typical 10ms (max)
Electrical insulation	2000VAC, 1 Minute
Protection	Current Limit Auto recovery
Cooling	Forced convection
Storage	4.6kWh gross
Protection	IP54 (NEMA 3)
Effective storage	1340W @ 1.6 hrs 760W @ 3.2 hrs 315W @ 8 hrs 155W @ 16 hrs
Working temperature	-10 to 40 °C, no derate (14 to 104 °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 A2 is perfect for small remote-power or backup loads like computers, refrigeration, and similar appliances.



Forced ventilation

The Leisure A2 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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