

Green Rhino Energy Solutions
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8.64KWh HOME-X4- EU 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-HOME-X4-EU
Dimensions	(W x B x L): 1.27 x 0.61 x 0.36 m (50x24x14 in)
Weight	274kg (604lbs) loaded
AC Output	50/60Hz 230VAC +/- 3% <5% THD
Power	6.8kW (12kW @ 60s)
Efficiency	97% battery 95.8% inverter
Phases	Single phase
Idle consumption	<28W
Transfer time	<8ms
Electrical insulation	2000VAC, 1 Minute
Cooling	Forced convection
Storage	8.64kWh gross
Altitude	<2000m (6562ft)
Effective storage	2900W @ 1.6 hrs 1680W @ 3.2 hrs 750W @ 8 hrs 410W @ 16 hrs
Working temperature	-20 to 70 °C with derating (-4 to 140 °F)
Relative humidity	0-95%, non-condensing
Lifetime	5 year design @ 25°C 1507 cycles, 80% DoD
Safety	CEC-listed, IEC 62109-1,-2

Specifications subject to change without notice.

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CHECK OUT THESE KEY FEATURES.



Versatile applications

The Home X4 is perfect for renewable, peak-shaving, load shifting, or net export applications. The range of applications makes this one of the best entry-level home systems. As a bonus, this system can be retrofitted with most existing PV installations.



Forced ventilation

The Home X4 has excellent cooling which allows the system to operate in high ambient temperature of up to 70°C (140°F) 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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