

RESIDENTIAL BESS

XEYAR PHOENIX

PRODUCT SPEC SHEET · RESIDENTIAL BESS

Wall-mounted home storage. Zero thermal runaway. 20-year warranty.

PHOENIX is XEYAR's residential battery energy storage system — wall-mountable, solar-ready, and indoor-safe. Available in supercapacitor or sodium-ion chemistry, both eliminate thermal runaway risk and require no active thermal management. Designed for whole-home solar self-consumption, grid-outage backup, and time-of-use arbitrage.

SUPERCAPACITOR OPTION	SODIUM-ION OPTION
50,000+ cycles · 45 yr design life · <1 ms response	20,000+ cycles · higher energy density · 10C discharge

LCOS Advantage · LCOS of 7.2¢/kWh — roughly 67% lower than a typical lithium 10-year replacement scenario under comparable usage assumptions.

SPECIFICATIONS

Attribute	Value
Capacity (SuperCap variant)	13–15 kWh per unit
Capacity (Na-ion variant)	10–15 kWh per unit
Depth of Discharge	100%
Round-Trip Efficiency	97%
Operating Temperature	–40°C to +65°C
LCOS (20-year)	~7.2¢ / kWh
Warranty	20 years
Form Factor	Wall-mount, indoor-safe
Certifications	UL 9540, UL 1973, UL 810A, IEC 62619

IDEAL FOR

- Whole-home solar self-consumption
- Time-of-use arbitrage
- Cold-climate homes (–40°C operation)
- Grid-outage backup (indoor-safe)
- Net-metering optimization
- Multi-unit residential retrofit

Ready to Specify Your PHOENIX Project?

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