

LIFEPO4 ENERGY STORAGE

Endurance 5

Professional-grade lithium iron phosphate battery engineered for residential and commercial energy storage. Built for reliability, field serviceability, and exceptional cycle life.

5.12

KWH CAPACITY

10

YEAR WARRANTY

22 Year

CYCLE LIFE



Product image

KEY SPECIFICATIONS

NOMINAL CAPACITY

100Ah

NOMINAL VOLTAGE

51.2V

ENERGY

5.12kWh

MAX CONTINUOUS DISCHARGE

100A

PEAK DISCHARGE (5S)

150A

WEIGHT

97lbs

ELECTRICAL SPECIFICATIONS

Cell Type	LiFePO4 (Lithium Iron Phosphate)
Nominal Voltage	51.2V
Operating Voltage Range	44V – 58.4V
Charge Voltage	57.6V
Max Charge Current	100A
Cycle Life	≥6000 cycles @ 80% DoD
Round-Trip Efficiency	≥96%
Self-Discharge Rate	<3% per month

MECHANICAL & ENVIROMENTAL

Dimensions (L x W x H)	17.4" x 18.5" x 5.65"
Weight	97 lbs (44 kg)
Enclosure Rating	Indoor
Operating Temp (Discharge)	-4°F to 140°F
Operating Temp (Charge)	32°F to 131°F
Storage Temperature	-4°F to 113°F
Humidity	5% – 95% RH
Mounting	Wall / Rack / Floor

FEATURES



Advanced BMS

Multi-layer protection with active cell balancing



Expandable

Connect up to 64 units in parallel



Field Servicable

Designed for repair, not replacement. Spare parts available



Smart Monitoring

RS485 / CAN bus communication
Compatible with all major brands



American Support, American Infrastructure, American Accountability

US-based software. Idaho-based technical support team. No foreign entity dependencies.