

LITHIUM BATTERY COMPARISON SHOPPING



Sinopoly 12V Sets Include (Without BMS)



LiFePO4 12V 200Ah Lithium Iron Phosphate Battery Pack, Light Weight LiFePO4 Battery for RV, Solar, Marine, and Off-Grid Applications

by RuiXu

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Price: **\$1,199.00** & **FREE Shipping**

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Size: **12V200AH**

12V40AH

\$269.00

12V60AH

\$399.00

12V100AH

\$599.00

12V200AH

\$1,199.00

- size:278*180*280mm | weight:25kgs
- BMS do not included,if you need BMS,pls message me
- ≥2000 times cycle life
- 1C max charge rate | 3C max discharge rate
- Light Weight | Easy Installation

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WHATS NEEDED:

- 1) Connect the cells in series or parallel.
- 2) Balance the batteries.
- 3) Add a Battery Management Systems (BMS) to protect from over/undercharge (\$50-\$150).
- 4) Properly protect / cover the raw exposed metal terminal connectors, especially in mobile applications.
- 5) The tools, knowledge and technical skills to do this.

SUMMARY

These are only Battery Cells for the price shown (\$599 for 100AH). If you want an actual battery that is plug and play ready, this is not it. You will need to add about 2 hours of labor plus parts to make this battery "Complete". For \$179 more you can buy a complete turn-key battery. The actual cost of parts and value of your time could quickly add up making the complete battery for \$779 the much better choice.

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GENERAL COMPARISON: LITHIUM VS LEAD ACID

	LEAD ACID	LIFEP04 LITHIUM
LIFE SPAN (DAILY CYCLES)	300	3000
RATED AMP HOURS	110	100
ACTUAL AMP HOURS	85-90	95-100
BATTERIES NEEDED X 10 YRS	10	1
AVERAGE COST PER BATTERY	\$250 - \$450	\$1,000.00
TOTAL 10 YR COST	\$2500 - \$4500	\$1,000.00
TOTAL SAVINGS PER BATTERY		\$1500 - \$3500

100AH Lithium Battery Brand Comparison

- 1) Renogy LFP-12-100 \$899 (plus shipping)
- 2) Battle Born BB10012 \$949 (plus shipping)
- 3) Fuel Zero FZ-12-100 \$780 (plus shipping)
- 4) AIMS LFP12V100AH \$849 (plus shipping)
- 5) Green Life GL100-12V \$1249 (plus shipping)

6) NRRG by Pacific Sun Systems \$779 (Free Shipping)

<https://pacificsunsystems.com/catalog/product/12v-100ah-lithium-battery-lifep04/>