

LiFePO4 Battery Bank

BMS	M6 threaded terminals	4s BMS 120a LifePo4 Battery Management System for 12v DIY Batteries, Programmable, Bluetooth Included.	\$142.00	2	\$284.00
Cells	Four matched sets of four cells	<ul style="list-style-type: none"> • Sold in sets of Four; matched cells. • We test each one and certify each cell voltage. • Cells are matched to .05 Volts or better. • These are the latest and best cells from EVE. • Nickel Plated Copper Bus bars and nuts are included, free. • 4 bus bars per order of cells. • These ship from the USA within one business day of placing the order. • Expect them in 2-5 Business days. • We can only ship ground because they are considered by FedEx Hazardous 	\$3756.00	1	\$3756.00
Hazardous shipping charge			\$96.00	1	\$96.00
Bus Bars & Nuts		Required to make two 8 cell series parallel 12V battery. Not required if making 8 cell 24V battery.		6	\$0.00
Leads for BMS balancing wires				8	\$0.00
Electrical solder				1	\$0.00
3M 3/4" x 66' Super 88 Vinyl Black Electrical Tape		Most electrical tape is shit, this is the good stuff!		1	\$0.00
Thermostat		Inkbird Dual Stage DV 12V Digital Temperature Controller Fahrenheit Thermostat Heating and Cooling for Homebrewing Brew Fermenter Fridge Incubator Greenhouse	\$15.99	1	\$15.99
Heater		Facon 12" x 18" RV Holding Tank Heater Pad, 12Volts DC, Use with Up to 50 Gallons Fresh Water/Grey Water/Black Water Tank, Holding Tank Heating Pad with Automatic Thermostat Control	\$41.99	1	\$41.99
Aluminum Plate		1/4 Aluminum Sheet Metal Plate .250 x 16" x 24" Flat Stock	\$69.90	1	\$69.90
Tape		APT, 1 mil Thick Polyimide Adhesive Tape, HighTemperature and Heat Tape, for Masking, Soldering, Electrical, 3D Printer Application. (2"x 36 yds)	\$11.98	1	\$11.98
Hocky Pucks		Faswin Classic Ice Hockey Puck		4	\$0.00
Wires		48" of stranded wire		1	\$0.00
Tax (Amazon)			\$8.95	1	\$8.95
S&H			\$0.00	1	\$0.00
					\$4284.81

Comparison for 15KWh System

Home Built	1216 Ah @ 12.8V 15.56 KWh				\$4284.81	
Battle Born	1200 Ah @ 12.8V 15 KWh	100Ah 12V LiFePO4 Heated Battery Kit – 1 Battery	\$899.00	12	\$10788.00	
Renogy	1200 Ah @ 12.8V 15 KWh	12V 200Ah Lithium Iron Phosphate Battery w/ Bluetooth	\$1169.99	6	\$7019.94	
SOK	1236 Ah @ 12.8V 15.82 KWh	12V 206Ah LiFePO4 Lithium Iron Phosphate Battery Pack	\$1029.00	6	\$6174.00	

Comparison

	\$/KWh	\$/Wh	Size for \$4300	Cost for 200 Ah	\$/Ah
Home Built	\$275.37	\$0.28	15.62 KWh	\$840.37	\$4.20
Battle Born	\$719.20	\$0.72	5.98 KWh	\$2194.82	\$10.97
Renogy	\$468.00	\$0.47	9.19 KWh	\$1428.21	\$7.14
SOK	\$390.27	\$0.39	11.02 KWh	\$1191.00	\$5.95