

POWERSYNC Lithium Iron Phosphate (LiFePO4) batteries are designed as a drop-in replacement of lead acid batteries. Each of our batteries are designed as replacements for specific deep cycle lead acid batteries up to BCI Group Size 8D. Use the table below to cross reference our LiFePO4 Batteries with standard lead acid batteries.

These batteries offer a significant longer cycle life and longer float/calendar life than lead acid batteries while helping to minimize replacement cost and reduce total cost of ownership. LiFePO4 batteries are designed for 8,000 Cycles at 30% DOD, 5,000 Cycles at 50% DOD, and 3,000 Cycles at 80% DOD.

In general LiFePO4 batteries are capable of attaining approximately 36% more energy per charge. LiFePO4 batteries represent an advancement in safety due to cell design with advanced battery management systems including under and over voltage, over discharge, over current, over temperature, and short circuit protections which ensures safe and efficient operation. Our LiFePO4 batteries are designed to work with quality microprocessor controlled lead acid chargers.

POWERSYNC has achieved a point of maximum energy, safety, and market viability. As the cost of bringing LiFePO4 products to market continues to improve, for the first time it makes sense to replace lead acid batteries with LiFePO4 technology.

Contact us for more information about our Energy Storage Systems (ESS) including high capacity scalable cabinet battery systems and a comprehensive line of lead acid solutions including Flooded, AGM, GEL, and OPzV chemistries.



6.4V / 12.8V / 25.6V LiFePO4 PRODUCT LINE SHEET

Model Number	Voltage	Capacity		Charge			Discharge			Dimensions			Terminal	Drop In Replacement for the Following Battery Type
		(20 Ah) Ah	Min @25 A	Max Cont. (A)	Max Cont. (A)	Max Pulse (A)	Energy (Wh)	Length (in.)	Width (in.)	Height (in.)	Weight (lbs.)			
LFP6.4-4.5	6.4	4.5	10.8	4.5 = 1C	4.5 = 1C	8 = 2C	29	2.76	1.85	4.00	4.20	T1	PS-645 / UB645	
LFP12.8-4.5	12.8	4.5	10.8	4.5 = 1C	4.5 = 1C	8 = 2C	58	3.50	2.75	4.00	1.50	T1	PS-1250 / UB1250	
LFP12.8-7.5	12.8	7.5	18	7.5 = 1C	15 = 2C	20 = 2.6C	96	5.85	2.50	3.70	2.40	T2	PS-1270 / UB1270	
LFP12.8-12	12.8	12	29	12 = 1C	24 = 2C	30 = 2.5C	154	6.00	3.88	3.74	3.75	T2	PS-12120 / UB12120	
LFP12.8-18	12.8	18	43	18 = 1C	36 = 2C	50 = 2.7C	230	7.13	3.00	6.63	6.00	T3	PS-12180 / UB180	
LFP12.8-26	12.8	26	62	30 = 1.1C	30 = 1.1C	40 = 1.5C	333	6.50	6.88	5.00	9.30	M5	PS-12260 / UB12260	
LFP12.8-33	12.8	33	79	33 = 1C	50 = 1.5C	60 = 1.8C	422	7.63	5.00	6.25	10.60	T5	Group U1 / PS-12350 / UB12350	
LFP12.8-40	12.8	40	96	40 = 1C	70 = 1.75C	80 = 2C	512	7.63	6.50	6.75	14.30	M6	PS-12400	
LFP12.8-50	12.8	50	120	50 = 1C	70 = 1.4C	80 = 1.6C	640	10.00	5.25	7.88	18.00	M6	UB-12500	
LFP12.8-75	12.8	75	180	70 = 0.9C	70 = 0.9C	100 = 1.3C	960	10.00	6.50	8.38	23.80	M6	Group 24 / PS-12750 / UB12750	
LFP12.8-100	12.8	100	240	100 = 1C	100 = 1C	120 = 1.2C	1,280	12.88	6.75	8.38	30.00	M8	Group 31 / PS-121100 / UB12100	
LFP12.8-200	12.8	200	480	120 = 0.6C	120 = 0.6C	140 = 0.7C	2,560	18.50	9.13	8.63	65.30	M8	Group 8D / PS-122500 / UB-8D	
LFP12.8-250	12.8	250	600	120 = 0.5C	120 = 0.5C	140 = 0.6C	3,200	18.50	9.13	8.63	65.30	M8	Group 8D / PS-122500 / UB-8D	
LFP25.6-50	25.6	50	120	50 = 1C	50 = 1C	75 = 1.5C	1,280	12.88	6.75	8.38	30.00	M8	Group 31 / PS-121100 / UB12100	
LFP25.6-100	25.6	100	240	120 = 1.2C	120 = 1.2C	140 = 1.4C	2,560	18.50	9.13	8.63	65.30	M8	Group 8D / PS-122500 / UB-8D	