

MCA Group



LITHIUM IRON PHOSPHATE (LiFePO₄) RECHARGEABLE BATTERY

Koyosonic has developed LP series of 12V lithium iron phosphate batteries, offering a drop-in solution for AGM or gel battery replacement. Our batteries can be used individually or assembled in series to create 48V system. There are many benefits in LP series of Li batteries and so they are more and more applied to many fields, such as Solar, RV, Marine and Deep-cycle or Motive Power.



POWERAD HIGHLIGHTS



HARD CORE

We creatively design a strong metal frame to protect the battery pack which offers full protection against knocks and drops, and ensure better stability & safety when used in high shock and vibration environments like RV/Marine.



Long cycle life

10 times of lead acid battery's cycle life



Ultra low self discharge

<2% per month



More usable capacity

Up to 100% usable energy



BMS Protection

Ensuring safety and efficient operation



Fast charging

10 times faster than lead acid battery



Charging

Compatible with AGM battery chargers



Light weight

About 1/3 of lead acid battery's weight



Increased Flexibility

Up to 4 batteries in series



Easy Installation

Drop-in replacement for lead acid battery



Environment friendly

No toxic, no acid, can be installed in any direction.

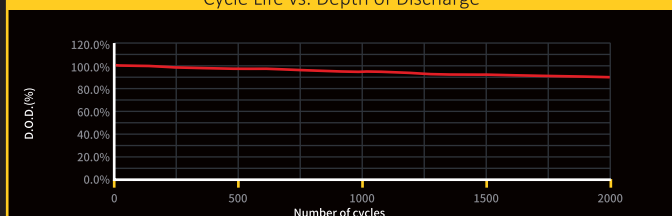


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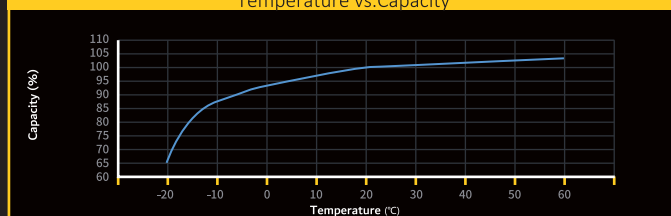
SPECIFICATIONS

	Model	Capacity (Ah)	Energy (Wh)	Charge Current (A)	Max Charge Current (A)	Max Discharge Current (A)	Pulse Current (<3S)	Dimensions (MM)	Terminal	BCI Group
LONG LIFE SERIES	LP-8	8	102	1.6	8	8	16	151*65*100	F1/F2	
	LP-10	10	128	2	10	10	20	151*98*100	F2	
	LP-20	20	256	4	20	20	40	181*77*167	M5	
	LP-33	33	422	6.6	33	33	66	196*132*180	M6	U1
	LP-40	40	512	8	40	40	80	196*166*184	M6	
HARD CORE SERIES	LP-75	75	960	15	75	75	150	260*169*227	M6	24
	LP-90	90	1152	18	90	90	180	307*169*228	M8	27
	LP-100	100	1280	20	100	100	200	333*172*221	M8	31
	LP-150	150	1920	30	100	100	200	483*170*241	M8	
	LP-200	200	2560	40	100	100	200	522*240*245	M8	

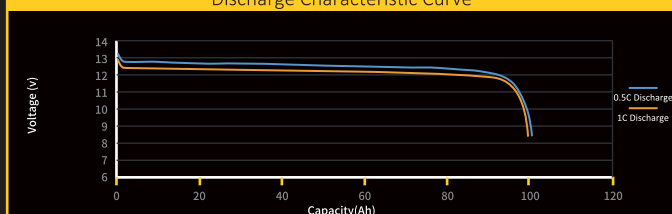
Cycle Life vs. Depth of Discharge



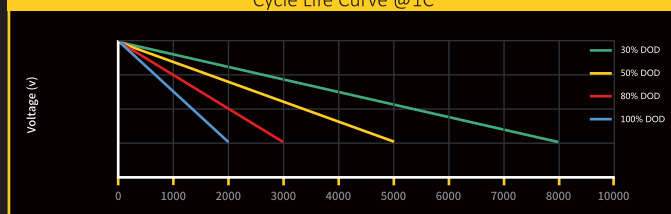
Temperature vs. Capacity



Discharge Characteristic Curve



Cycle Life Curve @1C



APPLICATIONS

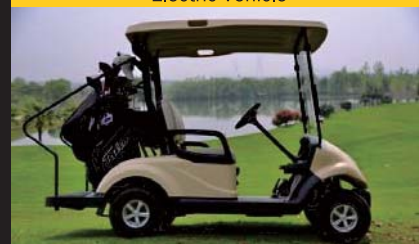
Solar



Marine



Electric Vehicle



RV



Floor Machine



Solar Street Light



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