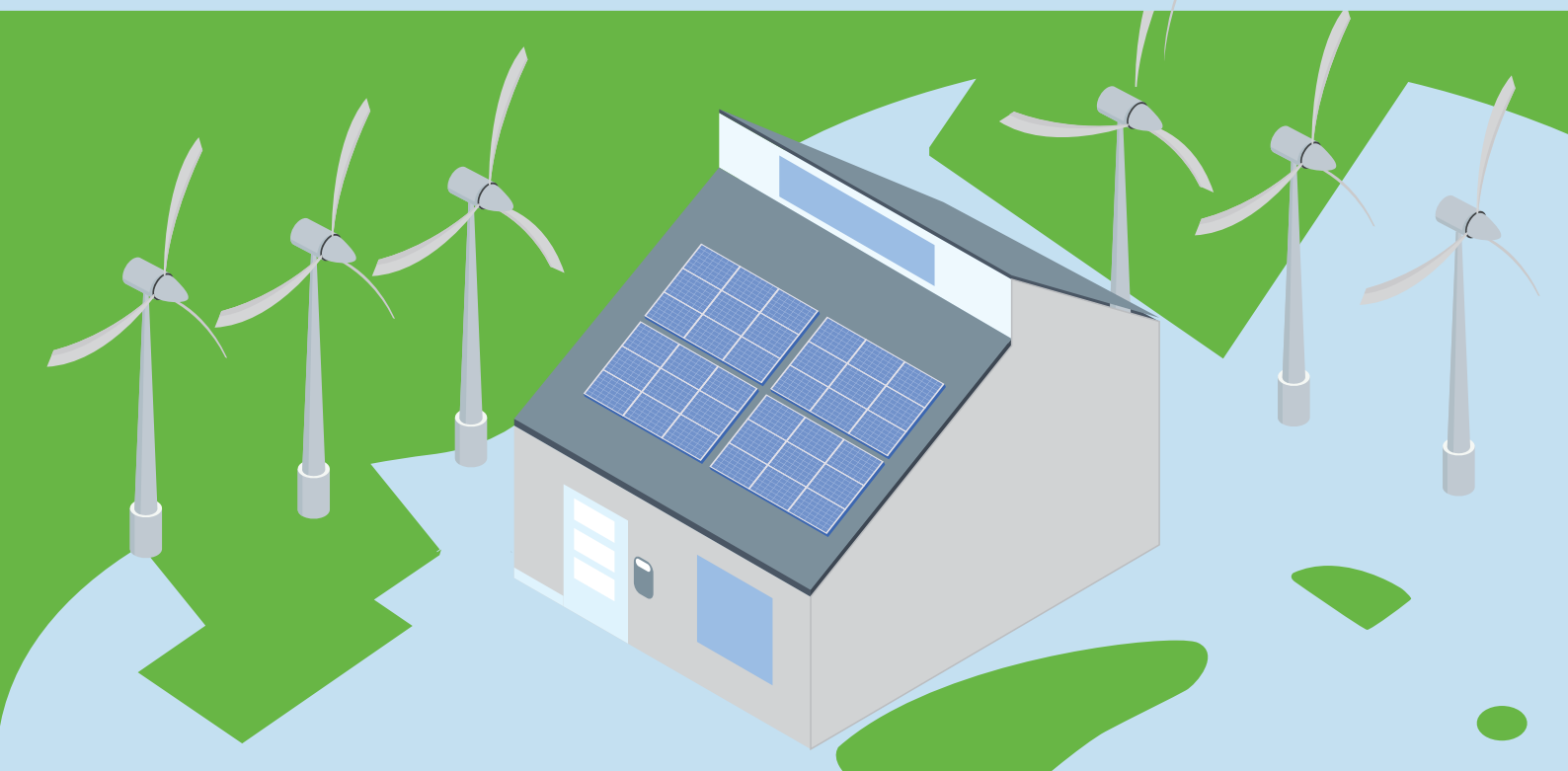


Koyosonic
Ideal for Power



LFP Series of LiFePO_4 Batteries

Replacement for AGM-VRLA Batteries





We ensure power never goes out

Koyosonic has developed LFP series of lithium iron phosphate batteries, offering a drop-in solution for AGM-VRLA or gel battery replacement. Our batteries can be used individually or assembled in series to create 48V system. There are many benefits in LFP series of LiFePO₄ batteries and so they are more and more applied to many fields, such as Solar, RV, Marine and Deep-cycle or Motive Power.

Main Features



Long Cycle Life

10 times of AGM battery's cycle life



Light Weight

About 1/3 of AGM battery's weight



Low Self-discharge

≤2% per month @ 25°C



More Capacity

Up to 100% usable energy can get



BMS Protection

Ensure safety and efficient operation



Flexible Connection

Up to 4 batteries in series

Main Application

Solar



Marine



Electric Vehicle



RV



Cleaning Machine



Solar Street Light



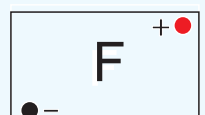
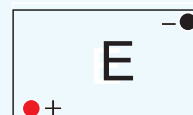
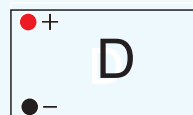
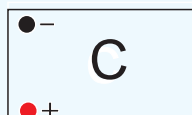
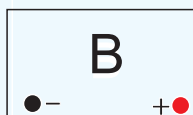
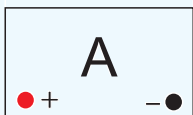
LiFePO4 Batteries as Repacement for AGM-VRLA Batteries

Technical Specification

Model	Volt (V)	Capacity (Ah)	BMS (A)	Dimension (mm)				Approx. Weight	Terminal	
				L	W	H	T.H.		Type	Position
LFP6-12	12	6	6	151	65	95	100	3	F2	C
LFP24-12	12	24	24	180	77	171	171	4	M5	A
LFP50-12	12	50	50	195	133	171	171	6	M5	A
LFP70-12	12	70	70	229	138	208	215	8.0	M6	A
LFP80-12	12	80	80	307	169	211	215	8.5	M8	A
LFP100-12A	12	100	100	307	169	211	215	11.1	M8	A
LFP100-12B	12	100	100	331	174	214	219	11.5	M8	B
LFP135-12	12	135	100	331	174	214	219	13.5	M8	B
LFP150-12A	12	150	100	331	174	214	219	15.5	M8	B
LFP150-12B	12	150	100	484	171	241	241	15.6	M8	A
LFP200-12	12	200	100	522	240	219	224	22	M8	C
LFP300-12	12	300	100	522	240	219	224	29	M8	C
LFP40-24	24	40	40	260	169	211	215	9	M8	A
LFP50-24	24	50	100	331	174	214	219	11	M8	B
LFP100-24	24	100	100	522	240	219	224	22	M8	C
LFP120-24	24	120	100	522	240	219	224	27	M8	C
LFP150-24	24	150	100	522	240	219	224	31	M8	C
LFP200-24	24	200	100	520	268	220	226	39	M8	C
LFP100-36	36	100	100	522	240	219	224	29	M8	C
LFP50-48	48	50	50	522	240	219	224	22	M8	C

Notes: 1) BMS can be changed or designed as required.
2) Bluetooth is optional.

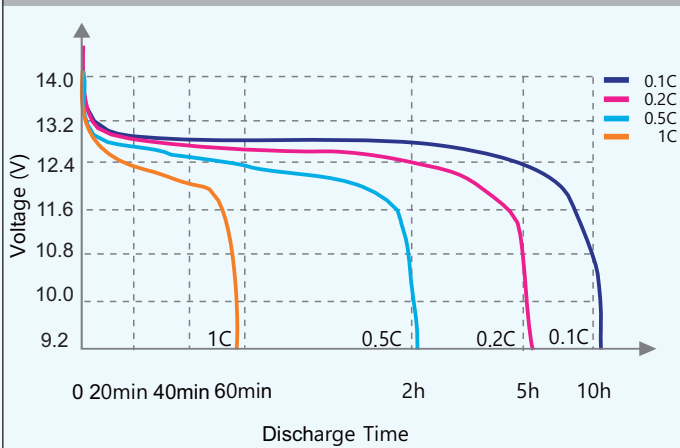
Terminal Position



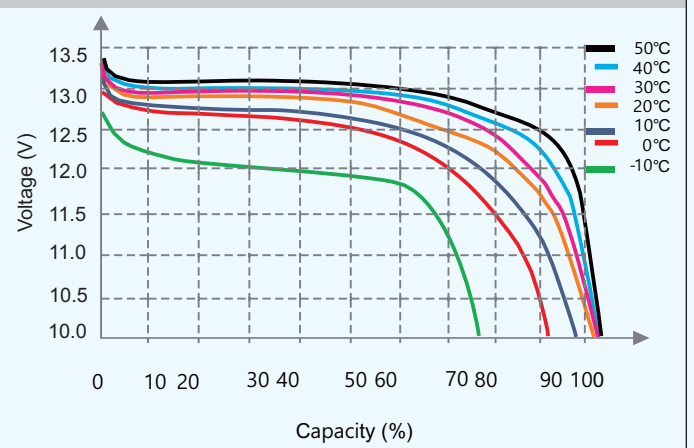
LiFePO4 Batteries as Repacement for AGM-VRLA Batteries

Performance Characteristics

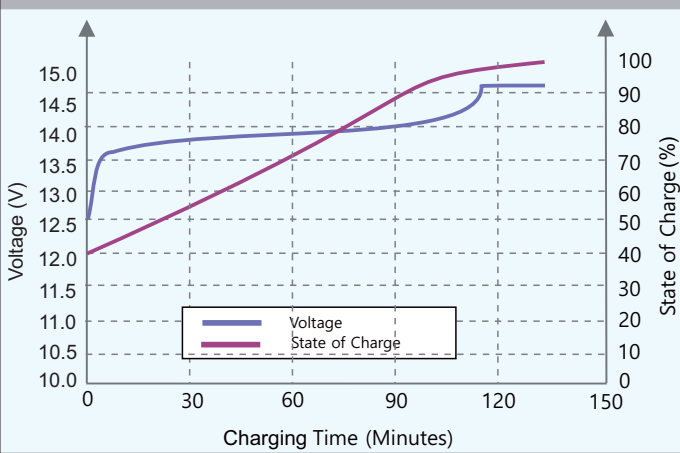
Different Rate Discharge Curve (25°C)



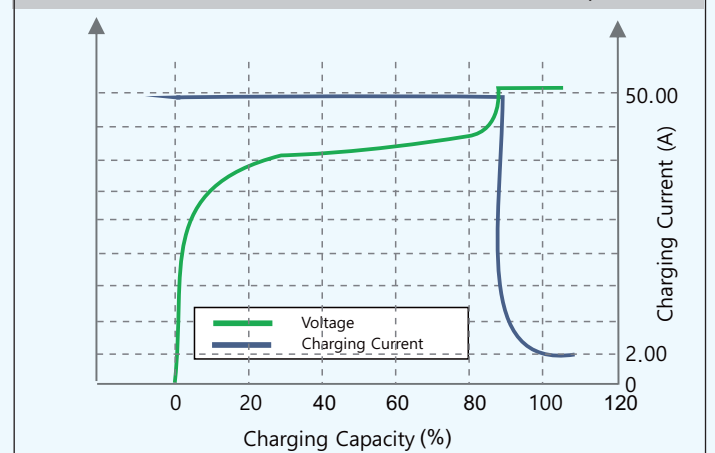
Different Temperature Discharge Curve (1C, 25°C)



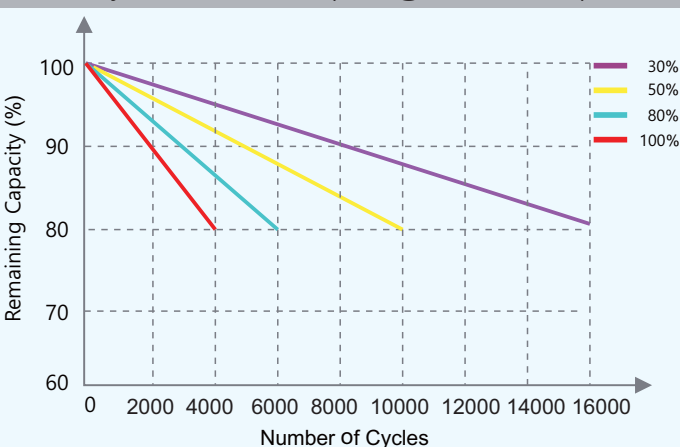
State of Charge Curve (0.2C, 25°C)



Charging Characteristics (0.5C, 25°C)



Cycle Life vs DOD (D/C @ 0.5C , 25 °C)



Different Temperature Self Discharge Curve

