

磷酸铁锂电池

LiFePO4 BATTERY

磷酸铁锂电池是一种高性能、高安全性的锂电池。相比于其他锂电池，它有更好的循环寿命，在 100% 放电深度时，能达到 2000 个循环。同时，它具有更好的耐高温性能和安全性能。因此，它可以广泛的用于太阳能路灯、通信系统、UPS、太阳能系统等。

The Lithium Iron Phosphate(LiFePO4) is a type of rechargeable battery based on the original lithium ion chemistry, created by the use of Iron(Fe) as a cathode material. LiFePO4 cells have a higher discharge current, do not explode under extreme conditions and weigh less but have lower voltage and energy density than normal Li-ion cells.



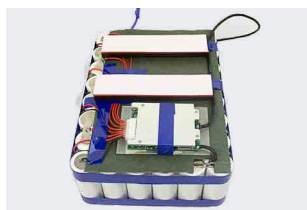
12V 磷酸铁锂电池
12V LiFePO4 Battery



24V 磷酸铁锂电池
24V LiFePO4 Battery



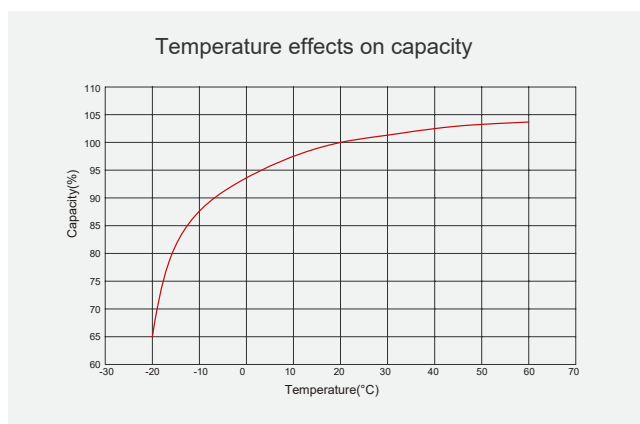
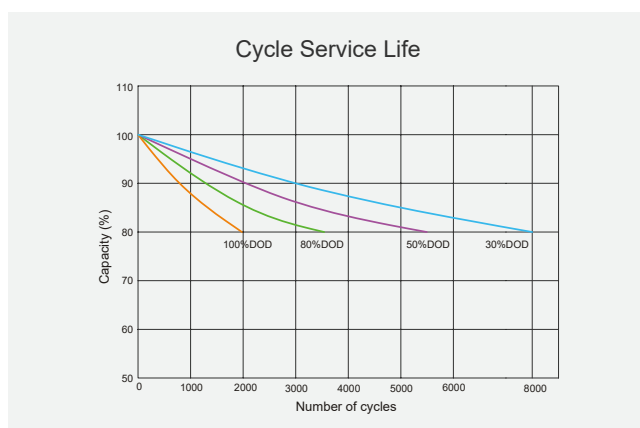
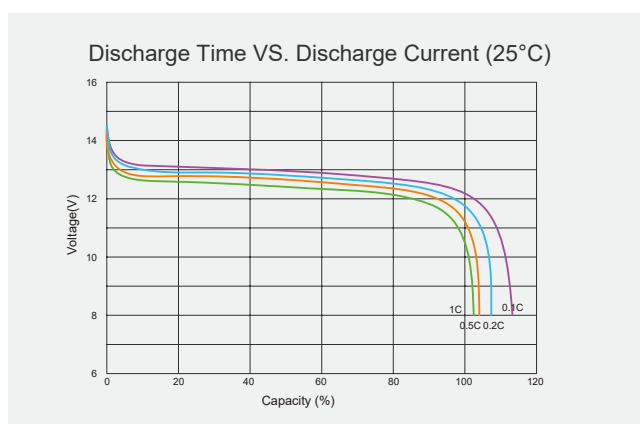
48V 磷酸铁锂电池
48V LiFePO4 Battery



规格参数 / SPECIFICATION

类目 ITEM	规格参数 SPECIFICATION
电压范围 Nominal Volt Range	12V / 24V / 48V / ...
容量范围 Capacity Range in Ah	3Ah - 300Ah
外壳材质 Container Material	ABS / PVC / Iron / ...
电芯电压 Nominal Cell Volt	3.2V
电芯容量范围 Cell Capacity Range	1Ah-120Ah
电芯型号 Cell Model	18650 / 26650 / 32650 / 50Ah / ...
电芯形态 Battery Cell Shape	柱状 / 块状 Cylindrical / Prismatic
最高充电电压 Limited Charging Voltage	3.65V/cell
最大充电电流 Max Charging Current	1C
推荐充电电流 Recommendation Charging Current	0.5C
充电方式 Charging Method	恒压 / 恒流 CC/CA
放电截止电压 Discharge Cut-off Volt	2.75V/cell
最大放电电流 Max Discharging Current	2C
推荐放电电流 Recommendation Discharging Current	0.5C
操作温度范围 Operating Temp. Range	-20°C - 60°C
存储环境 Storage Environment	-20°C-45°C in three months 25±3°C over three months Humidity: 65±20%RH
循环次数 Cycles up to	2000 @100% DOD 3500 @80% DOD 5500 @50% DOD 8000 @30% DOD
设计寿命 (年) Design Lifespan(Year)	15-20 Year
保护板功能 BMS Function	过充保护 过放保护 过流保护 短路保护 充电控制 电池均衡 Over-charge protection Over-discharge protection Over-current protection Short-circuit protection Charging control Balance Current

性能曲线 / PERFORMANCE



产品列表 / PRODUCT LIST

MODEL	VOLT	CAPACITY	RATED POWER	DIMENSION (L×W×H×TH)	BOX MATERIAL	TERMINAL
LFP12-3	12V	3Ah	38.4WH	90x70x101mm	ABS/PVC/Iron	Optional
LFP12-4	12V	4Ah	51.2WH	90x70x101mm	ABS/PVC/Iron	Optional
LFP12-5	12V	5Ah	64.0WH	90x70x101mm	ABS/PVC/Iron	Optional
LFP12-7.5	12V	7.5Ah	96.0WH	151x65x94mm	ABS/PVC/Iron	Optional
LFP12-10	12V	10Ah	128.0WH	151x65x94mm	ABS/PVC/Iron	Optional
LFP12-12	12V	12Ah	153.6WH	151x98x95mm	ABS/PVC/Iron	Optional
LFP12-15	12V	15Ah	192.0WH	151x98x95mm	ABS/PVC/Iron	Optional
LFP12-16	12V	16Ah	204.8WH	181x77x167mm	ABS/PVC/Iron	Optional
LFP12-20	12V	20Ah	256WH	181x77x167mm	ABS/PVC/Iron	Optional
LFP12-32	12V	32Ah	409.6WH	195x130x155mm	ABS/PVC/Iron	Optional
LFP12-33	12V	33Ah	422.4WH	195x130x155mm	ABS/PVC/Iron	Optional
LFP12-36	12V	36Ah	460.8WH	195x130x155mm	ABS/PVC/Iron	Optional
LFP12-40	12V	40Ah	512.0WH	195x130x175mm	ABS/PVC/Iron	Optional
LFP12-55	12V	55Ah	704.0WH	239x132x205mm	ABS/PVC/Iron	Optional
LFP12-60	12V	60Ah	768.0WH	239x132x205mm	ABS/PVC/Iron	Optional
LFP12-100	12V	100Ah	1280.0WH	329*172*214*243mm	ABS/PVC/Iron	Optional
LFP12-120	12V	120Ah	1536.0WH	406*174*207*232mm	ABS/PVC/Iron	Optional
LFP12-150	12V	150Ah	1920.0WH	483*170*240*240mm	ABS/PVC/Iron	Optional
LFP12-200	12V	200Ah	2560.0WH	522*240*219*244mm	ABS/PVC/Iron	Optional
LFP12-250	12V	250Ah	3200.0WH	520*269*220*249mm	ABS/PVC/Iron	Optional
LFP12-300	12V	300Ah	3840.0WH	520*269*220*249mm	ABS/PVC/Iron	Optional
LFP24-10	24V	10Ah	256.0WH	CUSTOM	ABS/PVC/Iron	Optional
LFP24-20	24V	20Ah	512.0WH	CUSTOM	ABS/PVC/Iron	Optional
LFP24-30	24V	30Ah	768.0WH	CUSTOM	ABS/PVC/Iron	Optional
LFP24-40	24V	40Ah	1024.0WH	CUSTOM	ABS/PVC/Iron	Optional
LFP24-50	24V	50Ah	1280.0WH	CUSTOM	ABS/PVC/Iron	Optional
LFP24-60	24V	60Ah	1536.0WH	CUSTOM	ABS/PVC/Iron	Optional
LFP24-80	24V	80Ah	2048.0WH	CUSTOM	ABS/PVC/Iron	Optional
LFP24-100	24V	100Ah	2560.0WH	CUSTOM	ABS/PVC/Iron	Optional
LFP48-10	48V	10Ah	512.0WH	CUSTOM	ABS/PVC/Iron	Optional
LFP48-20	48V	20Ah	1024.0WH	CUSTOM	ABS/PVC/Iron	Optional
LFP48-30	48V	30Ah	1536.0WH	CUSTOM	ABS/PVC/Iron	Optional
LFP48-40	48V	40Ah	2048.0WH	CUSTOM	ABS/PVC/Iron	Optional
LFP48-50	48V	50Ah	2560.0WH	CUSTOM	ABS/PVC/Iron	Optional
LFP48-60	48V	60Ah	3072.0WH	CUSTOM	ABS/PVC/Iron	Optional
LFP48-80	48V	80Ah	4096.0WH	CUSTOM	ABS/PVC/Iron	Optional
LFP48-100	48V	100Ah	5120.0WH	CUSTOM	ABS/PVC/Iron	Optional