



LiFePO<sub>4</sub> battery delivers more than 10 times longer cycle life and five times longer float/calendar life than lead acid. Which helps to minimize the replacement costs and reduce total cost for the commercial usage.
















*LiFePO<sub>4</sub> battery is capable to discharge at high current rates, while maintaining high energy capacity to maximize product performance. With the same capacity, LiFePO<sub>4</sub> works longer time than lead acid.*



*The LiFePO<sub>4</sub> battery weighs less than half of comparable lead acid batteries, providing customers with a lighter-weight solution to optimize their product design and avoid unnecessary over-sizing.*



*LiFePO<sub>4</sub> technology offers excellent abuse tolerance, establishing a foundation of safety at the cell level. In addition, multiple system-level of protection are employed to deliver greater durability and reliability.*

LITHIUM IRON PHOSPHATE (LiFePO <sub>4</sub> ) BATTERIES		6.4V5.4Ah	12.8V1.8Ah	12.8V5.4Ah	12.8V9Ah	12.8V14.4Ah	12.8V30.4Ah	12.8V36Ah	12.8V37.8Ah	12.8V41.8Ah	12.8V59.4Ah	12.8V79.2Ah	12.8V121.6Ah	12.8V152Ah	12.8V243.2Ah
															
Nominal Voltage		6.4V	12.8V												
Rated Capacity		5.4Ah	1.8Ah	5.4Ah	9Ah	14.4Ah	30.4Ah	36Ah	37.8Ah	41.8Ah	59.4Ah	79.2Ah	121.6Ah	152Ah	243.2Ah
Rated Energy		34.56Wh	23.04Wh	69.12Wh	115.2Wh	184.32Wh	389.12Wh	460.8Wh	483.84Wh	535.04Wh	760.32Wh	1013.74Wh	1556.48Wh	1945.6Wh	3112.96Wh
Max Discharge Current		5.4A	1.8A	5.4A	9A	14.4A	30.4A	36A	38A	42A	60A	80A	100A	100A	100A
Discharge Cut off Voltage		5V	10V												
Charge Voltage		7.2V/7.3V	14.4V/14.6V												
Charge Method		Constant Current / Constant Voltage (CC/CV)													
Max Charge Current		2.7A	0.9A	2.7A	4.5A	7.2A	15.2A	18A	19A	21A	30A	40A	62A	75A	80A
Inner Impedance		≤60mΩ	≤200mΩ	≤100mΩ	≤90mΩ	≤70mΩ	≤40mΩ	≤40mΩ	≤40mΩ	≤40mΩ	≤40mΩ	≤40mΩ	≤40mΩ	≤35mΩ	≤30mΩ
Operating Temperature	Charge	0℃ ~ +45℃													
	Recharge	-20℃ ~ +45℃													
Battery Weight		0.35kg	0.24kg	0.665kg	1.1kg	1.7kg	3.4kg	4.2kg	4.4kg	5.2kg	6.4kg	9.5kg	13.1kg	16.5kg	26.5kg
Battery Dimension	Length	70mm	97mm	90mm	151mm	151mm	181mm	175mm	174mm	194mm	195mm	228mm	259mm	328mm	483mm
	Width	47mm	43mm	70mm	65mm	98mm	76mm	175mm	165mm	130mm	165mm	138mm	167mm	172mm	170mm
	Height	101mm	52mm	101mm	93mm	94mm	168mm	112mm	125mm	158mm	175mm	208mm	212mm	212mm	2235mm
Battery Terminals		T1/T2	T1/T2	T1/T2	T1/T2	T1/T2	M5	M8	ø5.5	M6	M6	M6	M8	M8	M8
Battery Protection		Protection against over-charge, over-discharge, over-current, over-temperature. Cell balancing function included													