



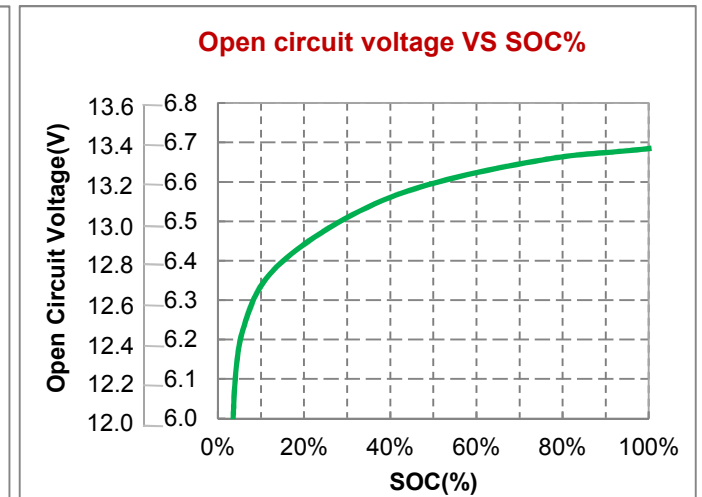
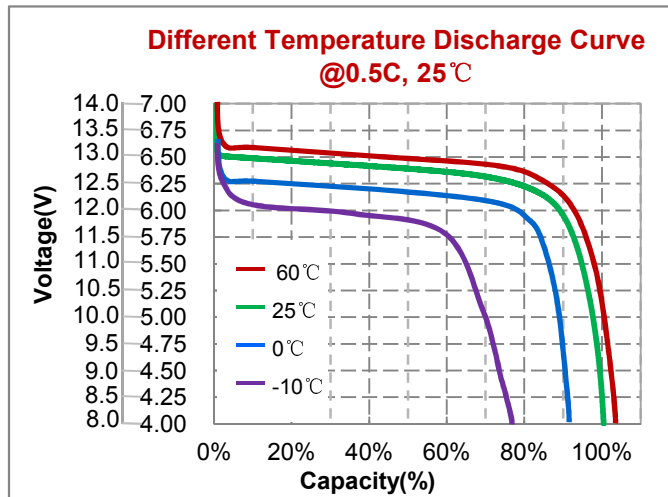
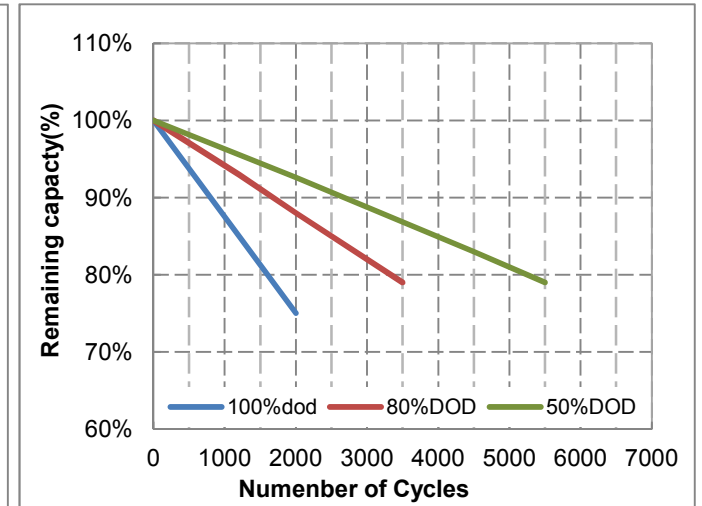
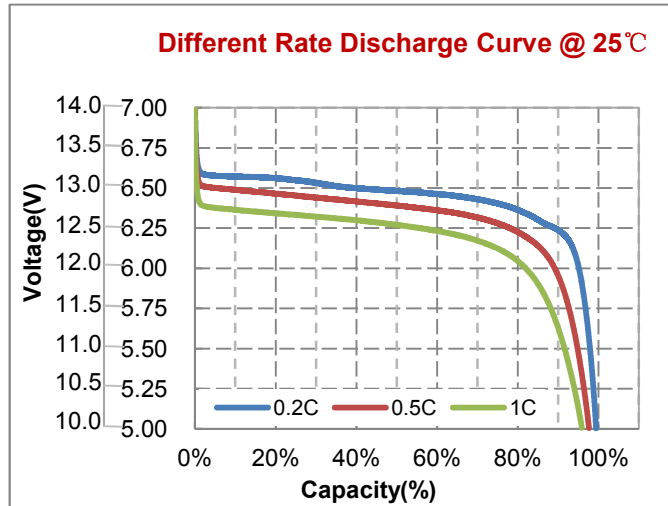
Lithium Iron Phosphate (LiFePO4) Battery

Features

- ◆ Using the technology of lithium iron phosphate cell, superior safety, thousands of cycles, 100%DOD, under normal conditions
- ◆ Built-in automatic protection for over-charge, over discharge, over current and over temperature
- ◆ Maintenance free
- ◆ Internal cell balancing
- ◆ Lighter weight: About 40% ~50% of the weight of a comparable lead acid battery.
- ◆ Can be charged using most standard lead-acid charges (set)
- ◆ Wider temperature range:-20°C~60°C

Application

- ◆ UPS
- ◆ Solar & Wind power system
- ◆ Golf Cart
- ◆ Electric vehicle , E-bike, E-rickshaw e.g.
- ◆ Lighting





Lithium Iron Phosphate (LiFePO4) Battery

Product Catalogue

Model		LFP6.4V6AH	LFP6.4V7AH	LFP12.8V6AH(A)	LFP12.8V6AH(B)	LFP12.8V7AH	LFP12.8V9AH	LFP12.8V12AH
Electrical Characteristics	Nominal Voltage	6.4V	6.4V	12.8V	12.8V	12.8V	12.8V	12.8V
	Nominal Capacity @0.2C	6Ah	7Ah	6Ah	6Ah	7Ah	9Ah	12Ah
	Energy	38.4Wh	44.8Wh	76.8Wh	76.8Wh	89.6Wh	115.2Wh	153.6Wh
	Internal Resistance	90≤mΩ	80≤mΩ	70≤mΩ	70≤mΩ	90≤mΩ	80≤mΩ	70≤mΩ
	Cycle Life	>2000 Cycles @ 0.2C Charge/Discharge at 100%DOD,End of Life 70% Capacity.						
	Months Self Discharge	≤3.5% per month at 25℃						
Standard Charge	Charge Voltage	7.3±0.1V			14.6±0.2V			
	Charge Mode (CC/CV)	At 0℃~45℃ temperature, charged to 14.6V at a constant current of 0.2C5A, and then,changed continuously with constant voltage of 14.6V until the current was not more than 0.02C5A.						
	Charge Current	1.2A	1.4A	1.2A	1.2A	1.4A	1.8A	2.4A
	Max.Charge Current	3A	3.5A	3A	3A	3.5A	4.5A	6A
Standard Discharge	Discharge Current	1.2A	1.4A	1.2A	1.2A	1.4A	1.8A	2.4A
	Max. Continuous Current	6A	7A	6A	6A	7A	9A	12A
	Max.Pulse Current	20A(<3S)	20A(<3S)	20A(<3S)	20A(<3S)	20A(<3S)	20A(<3S)	30A(<3S)
	Discharge Cut-off Voltage	5.0V	5.0V	10.0V	10.0V	10.0V	10.0V	10.0V
Environmental	Charge Temperature	0℃ to 45℃(32℉ to 113℉) @60±25% Relative Humidity						
	Discharge Temperature	-20℃ to 60℃(-4℉ to 140℉) @60±25% Relative Humidity						
	Storage Temperature	0℃ to 45℃(32℉ to 113℉) @60±25% Relative Humidity						
	Water Dust Resistance	IP55						
Mechanical	Cell & Method	IFR32700 N60,2S1P	IFR26650 N35,2S2P	IFR32700 N60,4S1P	IFR32700 N60,4S1P	IFR26650 N35,4S2P	IFR26650 N30,4S3P	IFR32700 N60,4S2P
	Plastic Case	ABS						
	Dimension(L*W*H*TH)	70*47*102*107mm	151*35*94*100mm	90*70*101*107mm	151*65*94*100mm	151*65*94*100mm	151*65*94*100mm	151*98*95*101mm
	Approx. Weight	0.4Kg	0.54Kg	0.75Kg	0.8Kg	1.06Kg	1.34Kg	1.55Kg
	Terminal	F2	F2	F2	F2	F2	F2	F2



Lithium Iron Phosphate (LiFePO4) Battery

Product Catalogue

Model		LFP12.8V24AH	LFP12.8V30AH	LFP12.8V33AH	LFP12.8V42AH	LFP12.8V54AH	LFP12.8V84AH	LFP12.8V100AH
Electrical Characteristics	Nominal Voltage	12.8V	12.8V	12.8V	12.8V	12.8V	12.8V	12.8V
	Nominal Capacity @0.2C	24Ah	30Ah	33Ah	42Ah	54Ah	84Ah	100Ah
	Energy	307.2Wh	384Wh	422.4Wh	537.6Wh	691.2Wh	1075.2Wh	1280Wh
	Internal Resistance	60≤mΩ	55≤mΩ	55≤mΩ	50≤mΩ	50≤mΩ	45≤mΩ	45≤mΩ
	Cycle Life	>2000 Cycles @ 0.2C Charge/Discharge at 100%DOD,End of Life 70% Capacity.						
	Months Self Discharge	≤3.5% per month at 25°C						
Standard Charge	Charge Voltage	14.6±0.2V						
	Charge Mode (CC/CV)	At 0°C~45°C temperature, charged to 14.6V at a constant current of 0.2C5A, and then,changed continuously with constant voltage of 14.6V until the current was not more than 0.02C5A.						
	Charge Current	4.8A	6A	6.6A	8.4A	10.8A	16.8A	20A
	Max.Charge Current	12A	15A	16.5A	21A	27A	42A	50A
Standard Discharge	Discharge Current	4.8A	6A	6.6A	8.4A	10.8A	16.8A	20A
	Max. Continuous Current	24A	30A	30A	42A	54A	60A	100A
	Max.Pulse Current	60A(<3S)	60A(<3S)	60A(<3S)	60A(<3S)	120A(<3S)	120A(<3S)	200A(<3S)
	Discharge Cut-off Voltage	10.0V	10.0V	10.0V	10.0V	10.0V	10.0V	10.0V
Environmental	Charge Temperature	0°C to 45°C(32°F to 113°F) @60±25% Relative Humidity						
	Discharge Temperature	-20°C to 60°C(-4°F to 140°F) @60±25% Relative Humidity						
	Storage Temperature	0°C to 45°C(32°F to 113°F) @60±25% Relative Humidity						
	Water Dust Resistance	IP55						
Mechanical	Cell & Method	IFR32700 N60,4S4P	IFR32700 N60, 4S5P	IFR26650 N34, 4S10P	IFR32700 N60, 4S7P	IFR32700 N60,4S9P	IFR32700 N60, 4S14P	IFR32700 N60, 4S17P
	Plastic Case	ABS						
	Dimension(L*W*H*TH)	181*77*167*167mm	165*175*125*125mm	195*130*156*167mm	197*165*170*170mm	229*138*212*217mm	260*169*213*218mm	328*172*215*220mm
	Approx. Weight	2.9Kg	3.9Kg	4.9Kg	5.7Kg	6.7Kg	10.2Kg	13.1Kg
	Terminal	M5	M5	M6	M6	M6	M8	M8



Lithium Iron Phosphate (LiFePO4) Battery

Product Catalogue

Model		LFP12.8V150AH	LFP12.8V200AH	LFP12.8V300AH
Electrical Characteristics	Nominal Voltage	12.8V	12.8V	12.8V
	Nominal Capacity @0.2C	150Ah	200Ah	300Ah
	Energy	1920Wh	2560Wh	3840Wh
	Internal Resistance	40≤mΩ	35≤mΩ	30≤mΩ
	Cycle Life	>2000 Cycles @ 0.2C Charge/Discharge at 100%DOD,End of Life 70% Capacity.		
	Months Self Discharge	≤3.5% per month at 25℃		
Standard Charge	Charge Voltage	14.6±0.2V		
	Charge Mode (CC/CV)	At 0℃~45℃ temperature, charged to 14.6V at a constant current of 0.2C5A, and then,changed continuously with constant voltage of 14.6V until the current was not more than 0.02C5A.		
	Charge Current	30A	40A	60A
	Max.Charge Current	75A	100A	100A
Standard Discharge	Discharge Current	30A	40A	60A
	Max. Continuous Current	100A	100A	100A
	Max.Pulse Current	200A(<3S)	200A(<3S)	300A(<3S)
	Discharge Cut-off Voltage	10.0V	10.0V	10.0V
Environmental	Charge Temperature	0℃ to 45℃(32℉ to 113℉) @60±25% Relative Humidity		
	Discharge Temperature	-20℃ to 60℃(-4℉ to 140℉) @60±25% Relative Humidity		
	Storage Temperature	0℃ to 45℃(32℉ to 113℉) @60±25% Relative Humidity		
	Water Dust Resistance	IP55		
Mechanical	Cell & Method	IFR32700 N60,4S25P	IFR32700 N60,4S34P	IFR32700 N60,4S50P
	Plastic Case	ABS		
	Dimension(L*W*H*TH)	483*170*240*240mm	522*238*218*220mm	520*221*269mm
	Approx. Weight	19.2Kg	27Kg	39Kg
	Terminal	M8	M8	M8