

12V LITHIUM (LiFePO4) BATTERY

Replacement lead-acid battery series



Features



LiFePO4:
Higher safe
performance and
longer cycle life.



Long Life:
cycle life ≥ 6500 .



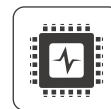
Lower self-discharge rate.



Small size, big power,
easy to carry.



unaffected by high temperatures
and cold weather.



Multiple Protection:
Built-in
smart BMS.

Specification



Models	LFP1207	LFP1212	LFP1220
Product Specification	12V 7Ah	12V 12Ah	12V 20Ah
Nominal Voltage	12.8V	12.8V	12.8V
Nominal Capacity	7Ah	12Ah	20Ah
Battery Energy	89.6Wh	153.6Wh	256Wh
Max Charge Current	4A	5A	10A
Max Discharge Current	7A	10A	20A
Weight	0.76Kg	1.4Kg	2.2Kg
Dimensions(L*W*H)	151*65*95mm	151*99*95mm	181*76*170mm
Terminal	Faston 250 (F2)	Faston 250 (F2)	M5
Charging Cut-off Voltage		14.6V± 0.2V	
Discharging Cut-off Voltage		9.2V± 0.2V	
Cell Type		LiFePO4 Battery	
Case Material		ABS+PC	
Cycle Life		≥6500 Cycles	
Working Temperature		Charge: 0°C-50°C / Discharge:-5°C-55°C	

Specification



Models	LFP1240	LFP1275	LFP1280
Product Specification	12V 40Ah	12V 75Ah	12V 80Ah
Nominal Voltage	12.8V	12.8V	12.8V
Nominal Capacity	40Ah	75Ah	80Ah
Battery Energy	512Wh	960Wh	1024Wh
Max Charge Current	20A	30A	30A
Max Discharge Current	40A	80A	80A
Weight	5.8Kg	9.8Kg	10.2Kg
Dimensions(L*W*H)	195*132*170mm	260*168*211mm	313*174*200mm
Terminal	M5	M8	M8
Charging Cut-off Voltage		14.6V± 0.2V	
Discharging Cut-off Voltage		9.2V± 0.2V	
Cell Type		LiFePO4 Battery	
Case Material		ABS+PC	
Cycle Life		≥6500 Cycles	
Working Temperature		Charge: 0°C-50°C / Discharge:-5°C-55°C	

Specification



Models	LFP12100	LFP12120	LFP12150
Product Specification	12V 100Ah	12V 120Ah	12V 150Ah
Nominal Voltage	12.8V	12.8V	12.8V
Nominal Capacity	100Ah	120Ah	150Ah
Battery Energy	1280Wh	1536Wh	1920Wh
Max Charge Current	70A	70A	70A
Max Discharge Current	100A	100A	100A
Weight	11.2Kg	12.5Kg	14.5Kg
Dimensions(L*W*H)	329*172*214mm	352*174*189mm	485*168*240mm
Terminal	M8		
Charging Cut-off Voltage	14.6V± 0.2V		
Discharging Cut-off Voltage	9.2V± 0.2V		
Cell Type	LiFePO4 Battery		
Case Material	ABS+PC		
Cycle Life	≥6500 Cycles		
Working Temperature	Charge: 0°C-50°C / Discharge:-5°C-55°C		

Specification



Models	LFP12170	LFP12200	LFP12280
Product Specification	12V 170Ah	12V 200Ah	12V 280Ah
Nominal Voltage	12.8V	12.8V	12.8V
Nominal Capacity	170Ah	200Ah	280Ah
Battery Energy	2176Wh	2560Wh	3584Wh
Max Charge Current	70A	100A	100A
Max Discharge Current	100A	200A	200A
Weight	17.8Kg	19.5Kg	25.6Kg
Dimensions(L*W*H)	333*176*217mm	522*239*218mm	384*194*255mm
Terminal	M8		
Charging Cut-off Voltage	14.6V± 0.2V		
Discharging Cut-off Voltage	9.2V± 0.2V		
Cell Type	LiFePO4 Battery		
Case Material	ABS+PC		
Cycle Life	≥6500 Cycles		
Working Temperature	Charge: 0°C-50°C / Discharge:-5°C-55°C		

Specification



Models	LFP12300	LFP12400	LFP12460
Product Specification	12V 300Ah	12V 400Ah	12V 460Ah
Nominal Voltage	12.8V	12.8V	12.8V
Nominal Capacity	300Ah	400Ah	460Ah
Battery Energy	3840Wh	5120Wh	5888Wh
Max Charge Current	100A	100A	100A
Max Discharge Current	200A	200A	200A
Weight	26.8Kg	36.5Kg	37.2Kg
Dimensions(L*W*H)	384*194*255mm	522*267*218mm	522*267*218mm
Terminal	M8		
Charging Cut-off Voltage	14.6V± 0.2V		
Discharging Cut-off Voltage	9.2V± 0.2V		
Cell Type	LiFePO4 Battery		
Case Material	ABS+PC		
Cycle Life	≥6500 Cycles		
Working Temperature	Charge: 0°C-50°C / Discharge:-5°C-55°C		

Application Scenario



Outdoor Backup Battery



Solar Street Light



Electric Toy Car



RV Energy Storage



Energy Storage



Low speed scooter



Wading Work Battery



Household Energy Storage



Golf Cart Power Battery



Marine Energy Storage



Daily AC/DC Applications



Electric Forklift Battery