



Shandong Goldencell Power Technology Co., Ltd.

	Battery Specifications								
Model	LFP1210	LFP1212	LFP1220	LFP1232	LFP1250	LFP1276	LFP12100	LFP12150	LFP12200
Normal Voltage	12.8V								
Rated Capacity	8Ah(0.2C)	12Ah(0.2C)	20Ah(0.2C)	32Ah(0.2C)	50Ah(0.2C)	76Ah(0.2C)	100Ah(0.2C)	150Ah(0.2C)	200Ah(0.2C)
Energy	About 102Wh	About 153Wh	About 256Wh	About 409Wh	About 640Wh	About 972Wh	About 1280Wh	About 1920Wh	About 2560Wh
Internal Resistance	≤50mΩ	≤50mΩ	≤50mΩ	≤50mΩ	≤40mΩ	≤40mΩ	≤35mΩ	≤35mΩ	≤35mΩ
Material of Cell	LiFePO ₄								
	Cycle Life								
100%DOD	2000 cycles (0.2C charge /0.5C discharge, capacity retention rate ≥80%, 25℃)								
80%DOD	4000 cycles (0.2C charge /0.5C discharge, capacity retention rate ≥80%, 25℃)								
50%DOD	7000 cycles (0.2C charge /0.5C discharge, capacity retention rate ≥80%, 25℃)								
	Charging Specifications								
Charge Voltage	14.4±0.15V								
Charge Current	1.6A	2.4A	4A	6.4A	10A	15A	20A	30A	40A
Max. Charge Current	≤4A	≤6A	≤10A	≤16A	≤25A	≤38A	≤50A	≤75A	≤100A
	Discharge Specifications								
Continuous Current	4A	6A	10A	16A	25A	38A	50A	75A	100A
Max Continuous Current	≤8A	≤12A	≤20A	≤32A	≤50A	≤76A	≤100A	≤110A	≤120A
Discharge Cut-off Voltage	About 10V								
	Temperature Specifications								
Charge Temperature	0℃ ~ 45℃								
Discharge Temperature	-20℃ ~ 60℃								
Storage Temperature	0℃ ~ 40℃								
	Mechanical Parameters								
Size (L*W*H)	(151±2) * (65±2) * (95±2) mm	(152±2) * (100±2) * (95±2) mm	(181±2) * (77±2) * (168±3) mm	(195±2) * (130±2) * (157±3) mm	(228±2) * (138±2) * (208±3) mm	(260±3) * (168±2) * (212±3) mm	(328±3) * (172±2) * (212±3) mm	(483±3) * (170±2) * (235±3) mm	(522±4) * (240±3) * (218±3) mm
Weight	About 1.1kg	About 1.6kg	About 2.8kg	About 4.2kg	About 6.3kg	About 9.2kg	About 13kg	About 18.5kg	About 25kg
Terminal	T2	T2	M5	M8	M8	M8	M8	M8	M8
Material of Case	Flame retardant ABS								
	Other Parameters								
Max Batteries In Series	Up to 4 batteries can be connected in series								
Max Batteries in Parallel	Up to 4 batteries can be connected in parallel								
BMS	Over charge protection, Over discharge protection, Temperature protection, Balanced function								
Please note: above is the selection table of our lead acid replacement products. If customers need detailed product manuals or customized products, please contact our engineers.									

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