



Battery Cell

Battery cell: lithium iron phosphate (Li-FePO4)
 Current/Voltage: 150Ah/3.2V
 Charge/discharge rate: 1C@25°C±3



1. Battery Pack (16 cells connected in series to form a battery pack)

NO	Name	Unit	Specification
1	Cell	/	LF150A
2	Nominal voltage per box	V	51.2
3	Single box power	KWh	7.68
4	Single box weight	Kg	63
5	Single box size	MM	500*482*161
6	Single box series and parallel number	/	1P16S
7	Rated Capacity	Ah	150
8	Energy density	Wh/Kg	>140
9	Cooling method	/	Air cooling



2. Battery Cluster (17 battery packs connected in series to form a battery cluster)

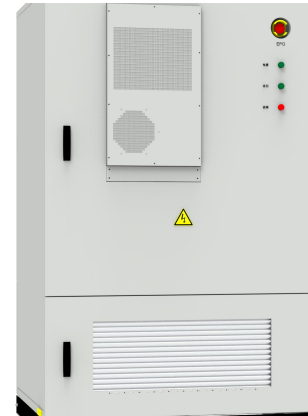
NO	Name	Unit	Specification
1	Nominal voltage	V	870
2	Nominal power	KWh	130.56
3	Series and parallel	/	1P272S (17PACK)
4	Charge/discharge efficiency	/	≥92%
5	Low voltage power supply	W	≈120
6	Communication mode	/	CAN2.0
7	Weight	KG	≈1500
8	Overall Dimension	MM	≈630*600*3253
9	Cooling method	/	Air cooling





3. Battery energy storage system container(1 Battery clusters in parallel)

NO	Name	Unit	Specification	Mark
1	Nominal voltage	V	870	
2	Nominal power	KWh	130.56	@25℃±3
3	Voltage Range	V	710-986	
4	Recommended SOC Window	%	10-90	
5	Nominal charge/discharge power	KW	100	
6	Charging Temperature	℃	0-50	
7	Discharge Temperature	℃	-20-50	
8	Recommended environment Temperature	℃	25℃±10	
9	Thermal Management	/	Air cooling	
10	Dimension	mm	≈1100*1100*3553	
11	PCS	pcs	100KW	1PC
12	Air Cooled Conditioner	pcs	3KW	
13	Output Voltage	V	AC 400	
14	Output Frequency	HZ	50	
15	Fire Fighting System		Hot Air Melt Level 3 Fire Protection	
16	BMS		2 level-Management	
17	EMS		battery energy management system	



The device parameter: one unit of 100KW/130KWh(1C)