

Battery Cell

Battery cell:
Current/Voltage:
Charge/discharge
rate

lithium iron phosphate
(Li-FePO4)
150Ah/3.2V
1C @25°C±3



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

NO	Name	Unit	Specification
1	Cell	/	LF150K
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



Battery Cluster (14 battery packs connected in series to form a battery cluster)

NO	Name	Unit	Specification
1	Nominal voltage	V	716.8
2	Nominal power	KWh	107.5
3	Series and parallel	/	1P224S
4	Charge/discharge efficiency	/	≥92%
5	Low voltage power supply	W	≈200
6	Communication mode	/	CAN2.0
7	Weight	KG	≈1220
8	Overall Dimension	MM	630*600*2353
9	Cooling method	/	air cooling



Battery energy storage system cabinet(5 Battery clusters in parallel)

NO	Name	Unit	Specification	Mark
1	Nominal voltage	V	716.8	
2	Nominal power	KWh	537.5	@25°C±3
3	Voltage Range	V	595-817.6	
4	Recommended SOC Window	%	10-90	
5	Nominal charge/discharge power	KW	500	
6	Charging Temperature	°C	0-50	
7	Discharge Temperature	°C	-20-50	
8	Recommended environment Temperature	°C	25°C±10	
9	Thermal Management	/	air cooling	
10	Dimension	mm	1100*1100*2553	
11	PCS	pcs	SINEXCEL 100KW*5	5PCS
12	Air Cooled Conditioner	pcs	10KW	
13	Output Voltage	V	AC 400(three phase)	
14	Output Frequency	HZ	50/60	
15	Fire Fighting System		Hot Air Melt Level 3 Fire Protection	
16	BMS		3 level-Management	
17	EMS		Battery Energy Management System	

