

ANERN INDUSTRY GROUP LIMITED

- **204.8V-412AH (84.378KWh) Cabinet type High-Voltage Lithium Battery Power Storage System**
- **Specification & Datasheet**
- **Issuing Date: 2023-06-25**

I Specification

1. The system is composed of 8 battery modules + 1 PDU + 1 Cabinet
2. System Capacity: 204.8V 84.378KWH
3. Single Cell: 3.2V 206AH
4. Battery Module: 25.6V 10.547KWH
5. Battery Module Size: W442*L750*H222
6. Cabinet Size: W1120*L830*H1380

II System Configuration

S/N	Parts Name	Quantity	Remark
1	Caster	1	
2	Battery module box	8	
3	PDU box	1	
4	Connectors	20	
5	Communication port	20	

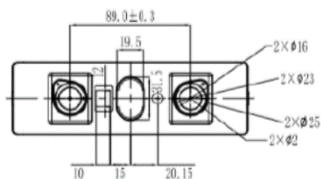
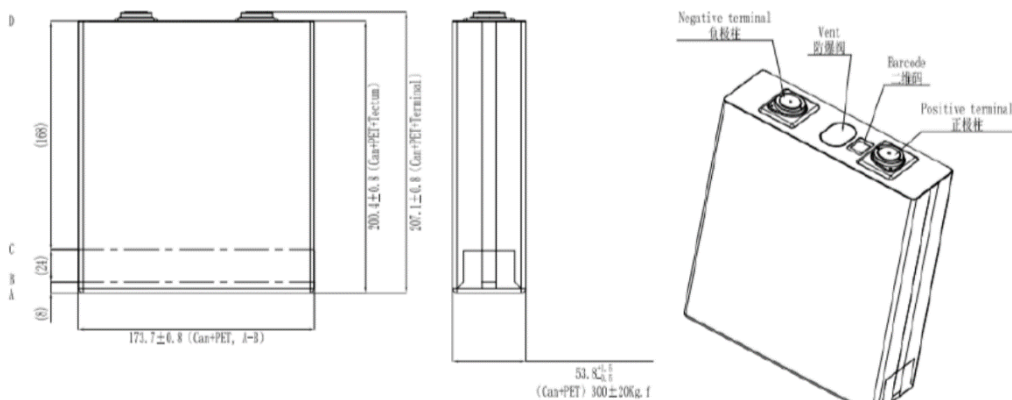
III Process Requirement:

1. Material: SPCC, thickness as per drawing
 2. Surface Treatment: Spray black sand paint
- Remark: Only for: Shell + Connector + Communication port

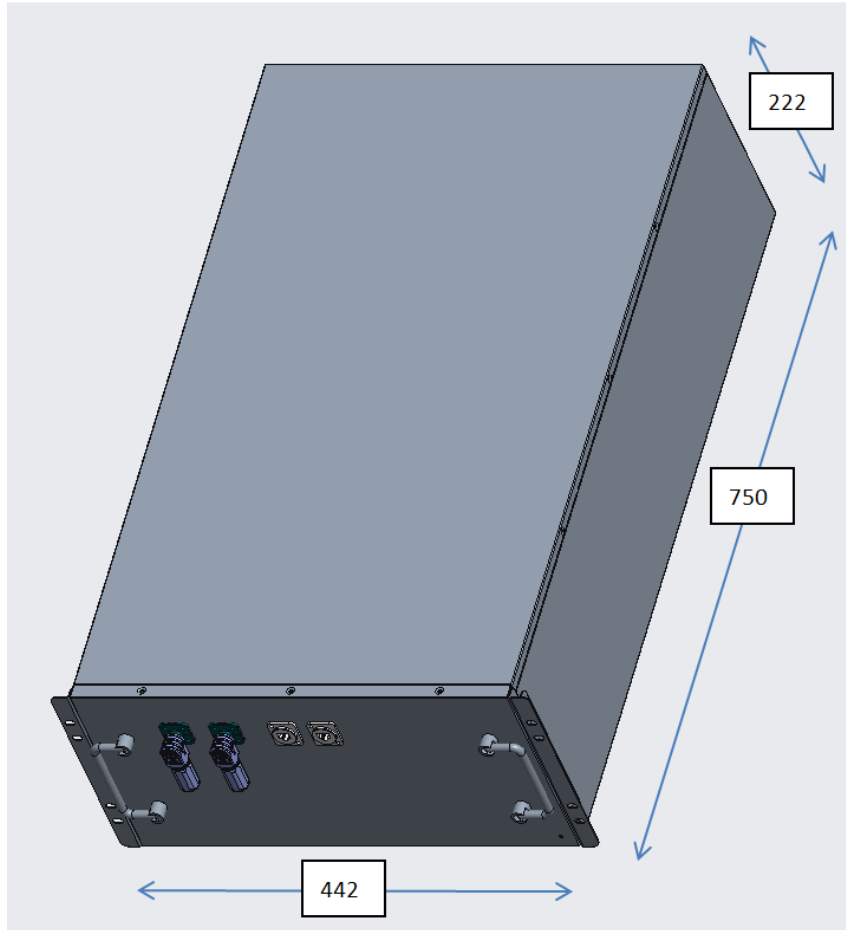


IV Single Cell

参数	产品规格	条件
Rated Capacity	206Ah	1/3C discharge current 25±2°C
Rated Voltage	3.22V	1/3C discharge current 25±2°C
Min. Capacity	206Ah	1C discharge current 25±2°C
Operating Voltage	2.5V-3.65V/2.0V-3.65V	T>0°C / T≤0°C
Cell Internal Resistance (1KHz)	≤0.4mΩ	New cell status, 30%SOC
Standard Charge Current	100.7A	25±2°C
Standard Discharge Current	100.7A	25±2°C
Operating Temperature (Charge)	0-55°C	
Operating Temperature (Discharge)	-30-55°C	



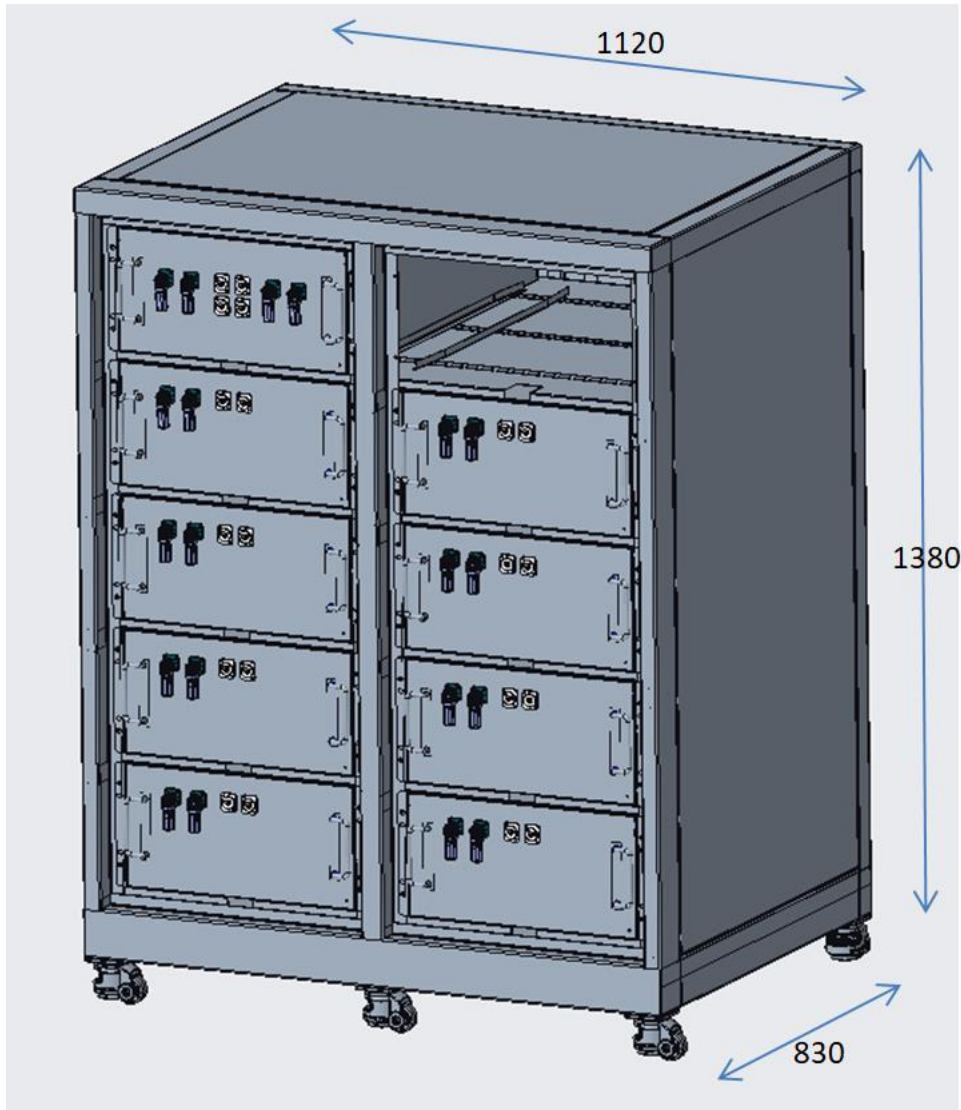
设计/DESIGN	P. 01	零件名称/PART NAME
规格/TYPE	50g. 01	装配图/assembly diagram
规格/TYPE	50g. 01	零件图/PART DR.
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V Standard Battery Module

S/N	Item Name	Parameters
1	Rated Capacity	412AH
2	Rated Voltage	25.6V
3	Rated Power Storage	10.547KWH
4	Standard Charging	CC-CV mode
		Current 82A (0.2C)
		Terminating Current 20.6A (0.05C)
5	Standard Discharging	CC mode
		Rated discharge current 82A
		Max discharge current 412A
		Terminating voltage 40V
6	Max Discharge Power	10.5KW (1.0CP)
7	Weight	85KG
8	Operating Temperature Range	0-40 Degrees

VI Cabinet Specification



S/N	Item Name	Parameters
1	Rated Capacity	412AH
2	Rated Voltage	204.8V
3	Charge Voltage	233.6V
4	Rated Power Storage	84.378KWH
5	Standard Charging	CC-CV mode
		Current 82A (0.2C)
		Terminating Current 20.6A (0.05C)
6	Standard Discharging	CC mode
		Rated discharge current 82A
		Max discharge current 412A
		Terminating voltage 160V
7	Max Discharge Power	84KW (1.0CP)
8	Weight	720KG
9	Operating Temperature Range	0-40 degrees
10	Communication Way	CAN

VII Slave Control Battery Box

Layout Diagram of
8 series/2 parallel battery modules:



VIII Main Control PDU

