Power Solid Battery Cabinet
PSC-48*100#S

1. Dimensions and Capacity
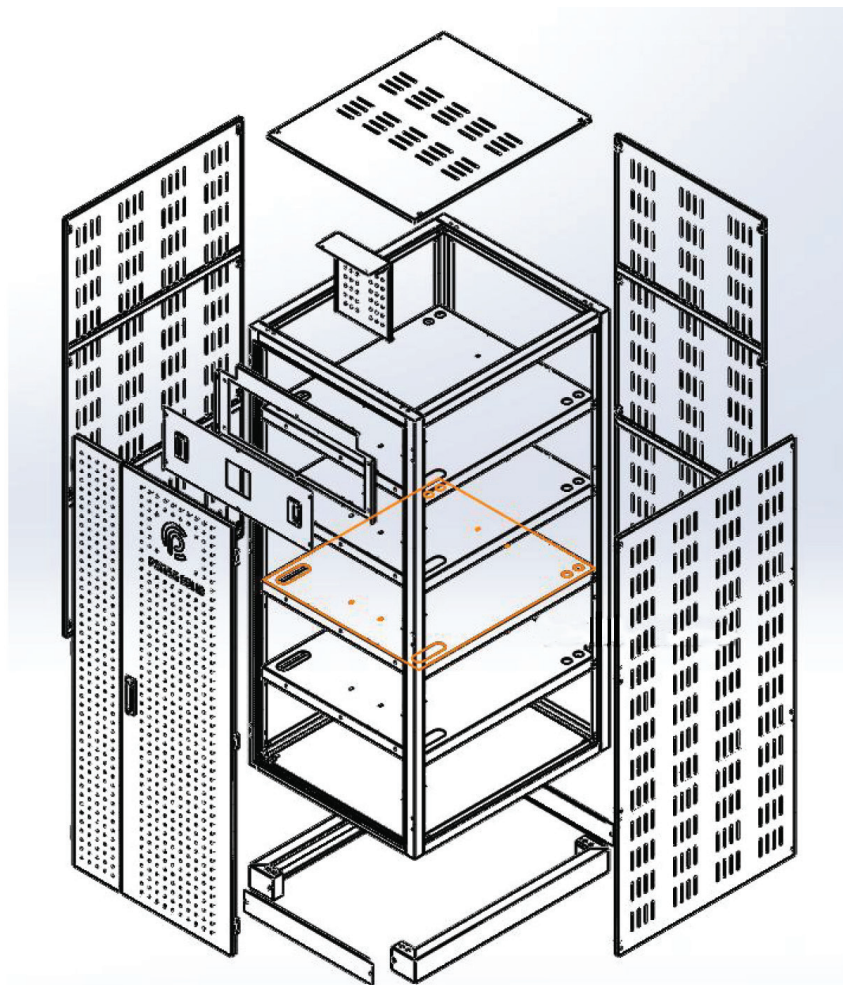
1.1 Width： 850mm；

1.2 Depth： 1000mm；

1.3 Height： 2050mm；

Other dimensions available upon request.

2. Feature：

Cabinet diagram

2.1 Assembled frame, crossbeams connected to square hole bars directly

The cabinet uses an assembled frame and connecting beams that are   locked with two screws. The shelves are directly connected to the frame, transferring the weight of the equipment directly to the frame, resulting in a high load capacity and excellent stability.,

2.2All steel, fasteners, plastic parts, powder coating etc. comply with EU RoHS standards.

3. Specifications and Materials of Key Components

Cabinet Materials and Thickness:

The cabinet panels are constructed by high-quality SPCC cold-rolled steel and SECC galvanized steel. The process includes laser cutting, automated stamping, CNC bending, welding, Powder coating, and assembly which results in a high degree of automation, precise hole placement, and high assembly accuracy.

The cabinet frame, base and cover are made of SPCC 2.0mm powder-coated, the shelves, bottom plate and standing plate are 2.0mm SECC, the surface frame and panel are made of SPCC 1.2mm spray-coated, and the front and rear doors, top cover and side doors are made of SPCC 1.0mm powder-coated.

4.Product Surface Finishing

4.1 Surface Finishing

The product surface is degreased, silane-finishing, and then sprayed with epoxy resin powder. The product surface has a uniform texture and color, and there is no pinholes, powder accumulation, particles, or other surface defects.

4.2 Coating Hardness

The coating has tested by scratched with a 2H pencil at 45 degrees and without scratching lines.

4.3 Adhision strength of coating

No peeling or cracking in Erishsen Cupping test or a 100-grid test according to GB/T9286-1998 "Paints and varnishes - Cross-cut test for paint films

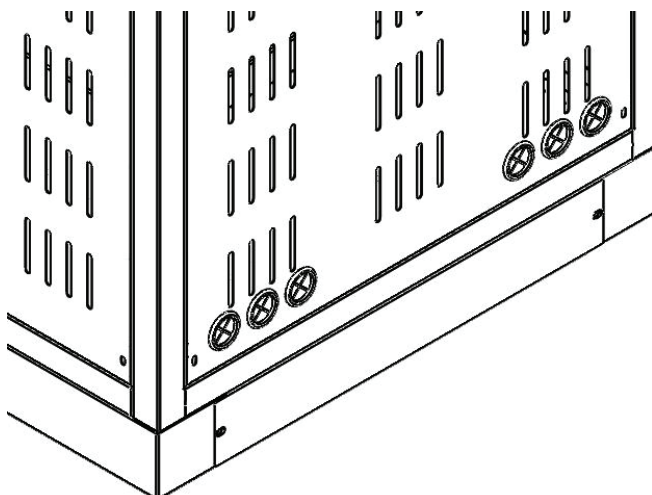4.4 Coating Color and Surface Finish

Standard Color code:RAL9004SN, with a black gauze finish

Other colors can be customized based on the color palette or by providing a color palette.

5. Cabinet configuration

Standard Congiguration list					
NO	ITEM	Material&Thickness	Surface	QTY	Unit
1	Front Frame	SPCC2.0	Powder coating	1	pcs
2	Rear Frame	SPCC2.0	Powder coating	1	pcs
3	Connecting part	SPCC2.0	Powder coating	4	pcs
4	Base	SPCC2.0	Powder coating	2	pcs

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5	Cover	SPCC2.0	Powder coating	2	pcs
6	Bottom panel	SECC2.0	zinc alloy	1	pcs
7	Shelf	SECC2.0	zinc alloy	4	pcs
8	Standing panel	SECC2.0	zinc alloy	1	pcs
9	Surface panel	SPCC1.2	Powder coating	1	pcs
10	Surface paenl frame	SPCC1.2	Powder coating	1	pcs
11	Sub-door	SPCC1.0	Powder coating	1	pcs
12	Main-door	SPCC1.0	Powder coating	1	set
13	Side door	SPCC1.0	Powder coating	2	pcs
14	Top panel	SPCC1.0	zinc alloy	1	pcs
15	Rear door	SPCC1.0	zinc alloy	1	pcs
16	Hinge	zinc alloy	\	6	pcs
17	M6*8 Flange nuts	Q235	zinc alloy	24	pcs
18	HP-10 plug(black)	ABS	\	8	pcs
19	Plastic handle	ABS	\	2	pcs
20	coil protector	ABS	\	6	pcs
21	M6*25 screw	45#	zinc alloy	30	pcs
22	M8*20 screw	Q235	zinc alloy	12	pcs
23	M6 click nuts	Q235	zinc alloy	40	pcs
24	M6 flange nuts	Q235	zinc alloy	55	pcs
25	M6*12 screw	Q235	zinc alloy	70	pcs
26	Front door lock	zinc alloy	\	1	pcs

6. Cabinet top cover and mounting dimensions
Pre-installed cable entry and exit holes at the bottom of the cabinet's rear door,Easy for cable entry and exit