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User Manual

Smart and safe battery charging cabinet

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Thank you for using our products. As a company of caring employee safety and environmental protection, SYSBEL provides high quality products to ensure the safety of your working environment and personnel.

WA810224

WA810454

Smart Safe Charging Cabinet

Volume (Gal/L)	Door Type	Color	Certification	Ext dimension (HxWxD/cm)	Packing dimension (HxWxD/cm)	Standard PDU industrial socket (pcs)	Adjustable Shelves (Pcs)	Shelf Loading Weight(Kgs)	Operating Voltage	Rated current	Model
											WA810454	WA810224
22/83	Single	frame: black door panel: blue	CE	189x60x46	203x67x55.5	4（32 in 4.75 AC220V/50Hz to1a1）	4	75	AC 220V/50Hz	10A	
45/170	Double	frame: black door panel: blue	CE	189x109x46	203x116x55.5	4（32 in 4.75 AC220V/50Hz to1a1）	4	75	AC220V/50Hz	10A	

* Other charging equipment must be confirmed with our company before charging before charging operations

🔍 Features

1.The intelligent safety battery charging cabinet is suitable for the storage and charging of all kinds of power tool batteries. The cabinet is designed with FM6050 standard fireproof structure, and the product meets the requirements of OSHA 1910.106 and NFPA 30 regulations of the American Fire Protection Association;

2.The top of the cabinet is equipped with a frequency conversion and low-power axial fan for exhaust operation, which effectively discharges the heat generated by battery charging, and adopts a diagonal double-channel exhaust pipe design to make the exhaust efficiency more efficient. Axial fan speed: 5000 rpm, air volume: 275 m3/h;

3.The cabinet is equipped with four sets of industrial-grade PUD sockets as standard, and the four groups of sockets are individually controlled, which can effectively prevent overload and short circuit of the line, and provide a safety guarantee for the charging of the battery;

4.The cabinet is equipped with four adjustable shelves as standard, and each layer has multiple heat dissipation ventilation holes to increase the air flow inside the cabinet. At the same time, a PP leakage tank is installed at the bottom of the cabinet to hold corrosive liquids such as electrolyte generated by battery leakage;

5.Industrial-grade high-precision temperature and humidity transmitter is installed in the cabinet, using sensors imported from Switzerland, and supporting RS485 signal output. The temperature and humidity value inside the cabinet can be monitored at all times when the machine is turned on, and the built-in buzzer will automatically alarm when the temperature and humidity exceed the set limit value;

6.A high-sensitivity smoke detector is installed on the top of the cabinet, and when the smoke detector detects smoke, the buzzer on the front of the cabinet will send out an alarm, and the axial fan will automatically power off to prevent the fire from extending outward;

7.LED non-dazzling lighting is installed in the cabinet to evenly illuminate the interior of the cabinet. The switch of the LED light is automatic mode, the LED light for opening the door is automatically turned on, and the LED light for closing the door is automatically turned off;

8.The hanging point of the suspended automatic fire extinguisher is reserved in the cabinet, and the user can install the suspended automatic fire extinguisher according to the actual use needs;

9.The electrical components installed in the cabinet are selected from well-known brands at home and abroad to further improve the stability and safety of equipment operation;

10.Cabinet operating voltage： AC 220V/50Hz；

11.Diameter of the exhaust duct： 100mm.

Low display label	Interface description	Key operation description
1	address	Press F1 to return the temperature and humidity query interface; short -press F2 to switch to the address settings interface; press the F3 address plus 1, long press the F3 address and 10; Press the SET key to save the display address value as the target address.
2	Potter	Press F1 to return the temperature and humidity query interface; short -press F2 to the Potter setting interface; press the F3 Potter rate between 2400, 4800, 9600, and three; Switch between the three. Press the SET key to save the baud rate as the target baud rate.
3	Temperature upper limit	Press F1 to return the temperature limit settings interface; short press F3 plus 1, long press F3 plus 10; short press F4 minus 1, long press F4 minus 10. Press the SET key to save the display temperature value as the target temperature limit value.
4	Humidity upper limit	Press F1 to return the temperature and humidity query interface; switch to F2 to the humidity limit settings interface; short press F3 plus 1, long press F3 plus 10; short press F4 minus 1, long press F4 minus 10. Press the SET key to save the displayed humidity limit as the target humidity upper limit value.
5	Temperature lower limit	Press F1 to return the temperature and humidity query interface; switch to F2 to the lower temperature limit settings interface; short press F3 plus 1, long press F3 plus 10; short press F4 minus 1, long press F4 minus 10. Press the SET key to save the lower limit of the display temperature as the target temperature lower limit value.
6	Humidity lower limit	Press F1 to return the temperature and humidity query interface; switch to F2 to the lower limit setting interface; short press F3 plus 1, long press F3 plus 10; short press F4 minus 1, long press F4 minus 10. Press the SET key to save the lower limit of the humidity of the target.

ℹ️ Product packaging

Packing: pallet + carton packing
Packing material: plywood pallet + 7-layer AB carton cover
Packing method: packing belt
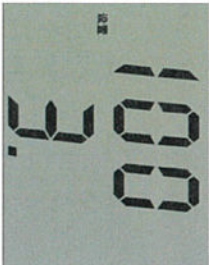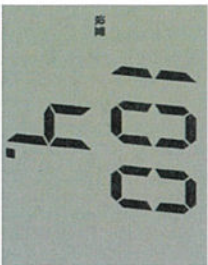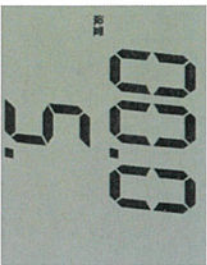The quantity of the product in the package：1PCS

ℹ️ Precautions

1.Cabinets must be placed indoors.

2.The cabinet must be placed horizontally for the cabinet to open and close properly.

3.Vent covers are used to insulate the inside and outside of the cabinet and can be removed according to local regulations.

4.Do not place your hands under the cabinet when lifting or moving the cabinet.

5.Select the appropriate access power supply.

6.After the cabinet issues a hazard alarm, the problem must be dealt with as soon as possible.

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There are six types of equipment. There are six types of items that can be set: address, baud rate, temperature upper limit, humidity upper limit, temperature lower limit, and humidity lower limit.

Press the SET key for 2 minutes, you can enter the setting status. Press F2 to change the setting item. Press F2 to display the order rotation of the order of "address, baud rate, temperature upper limit, humidity upper limit, temperature lower limit, humidity lower limit".

设置 **100** **3.**	Set the temperature limit value on the device Scope: -100 ~ 99 Default value: 100
设置 **100** **4.**	Set the temperature upper limit of the device Scope: 0 ~ 100 Default value: 100
设置 **00.0** **5.**	Set the temperature lower limit value of the device Scope: -100 ~ 999 Default value: 0
设置 **00.0** **6.**	Set the humidity limit value of the device Scope: 0 ~ 100 Default value: 0

Smart Safety Battery Charging Cabinet Instructions for use

1.Power-on operation process: as shown in Figure 1, after the cabinet is placed in the designated position smoothly, use the compliant grounding wire to connect the grounding screw at the bottom of the left side of the cabinet to the designated grounding position of the building, use the key to open the cabinet door after the grounding is completed, take out the power cord equipped with the prefix in the cabinet and insert it into the pinzig power socket above the left side of the cabinet, and turn on the switch of the power socket to the energized state with the red light on. Users can connect the external exhaust according to the regulations of the local regulatory department, and can use PVC pipes, nylon cloth ducts and other pipes reserved at the top of the docking cabinet As shown in Figure.
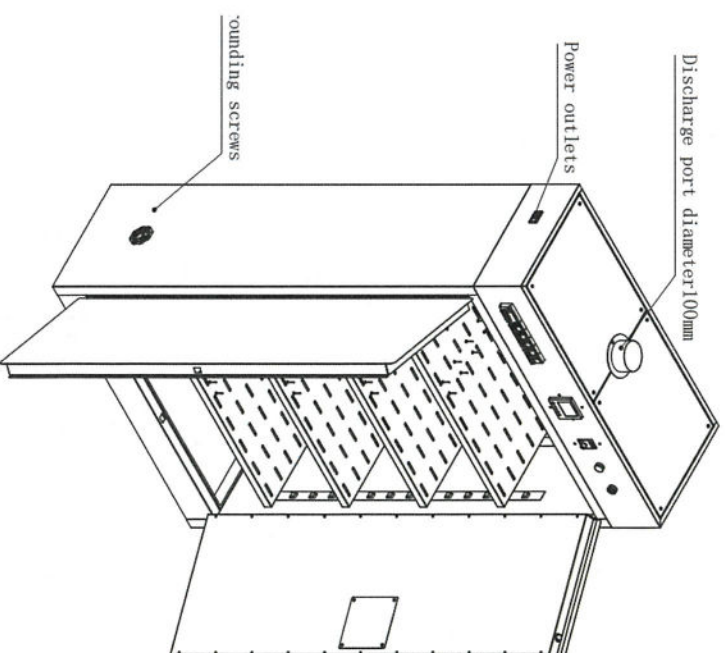
Discharge port diameter100mm

Power outlets

Grounding screws

Figure 1

2. according to the identification prompt on the operation panel, first turn on the circuit breaker switch corresponding to the power switch and the 24V fan switch, after opening the axial fan, temperature and humidity transmitter, smoke detector, LED lighting into the energized working state, the temperature and humidity transmitter LCD screen will display the temperature and humidity value inside the current cabinet, the axial fan status light is always on, the axial fan begins to exhaust the operation, the user can adjust the appropriate speed of the fan according to the number of batteries stored in the cabinet: identification (1), (2), (3), (4) correspond to four PUD sockets inside the cabinet, if the battery needs to be charged on the shelf (1), the circuit breaker of identification (1) needs to be pushed to the closed state, and the PUD socket has a double contact switch identification function, and when it does not need to be charged, the power off function can also be realized by turning off the double contact switch. Identification (2), (3), (4) operation and identification (1) operation method is the same; the switch of LED light is automatic mode, no manual operation is required, the door opening LED light is automatically turned on, and the closing door LED light is automatically closed.
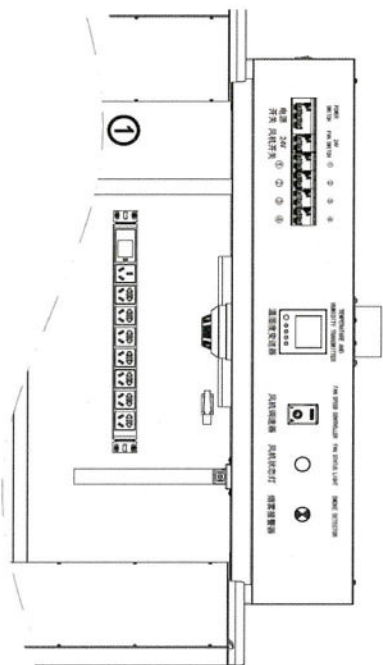
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Figure 2

Built-in M10 nut

Figure 4

2.Application of the adjustment and drainage groove of the laminate: As shown in Figure 3, the user can adjust the height of the laminate according to the actual use needs, and check that the four sides of the laminate are installed in the adjustment hook after adjusting the height. The PP leakage tank at the bottom of the cabinet can hold corrosive liquids such as electrolyte generated by battery leakage, please use special adsorption materials for waste liquid recycling and disposal.

Adjust the hook
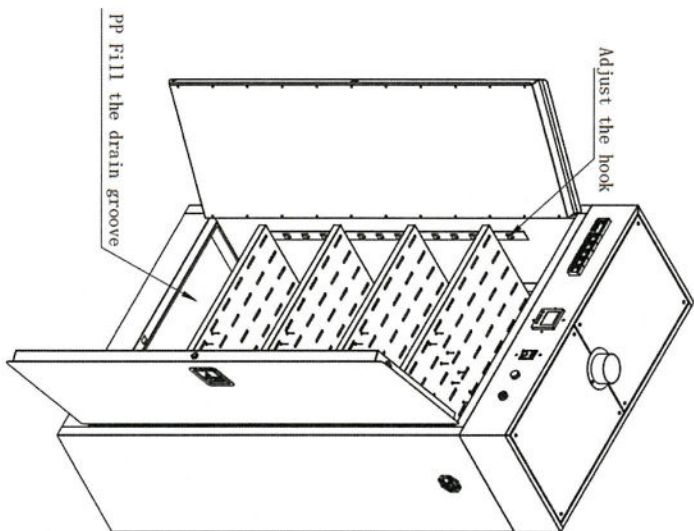
PP Fill the drain groove

Figure 3

3.Introduction to the installation of suspended automatic fire extinguisher: As shown in Figure 4, an M10 nut is reserved at the top of the cabinet, which can hang a fire extinguisher within 6Kg, and users can install the suspended automatic fire extinguisher according to the actual use needs.
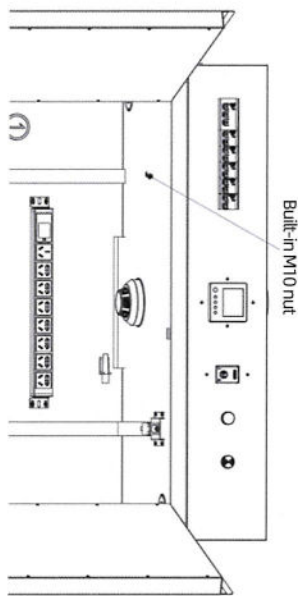
4.Introduction and setting of temperature and humidity transmitter button
Press the SET key on the main interface of the temperature display, enter the parameter settings interface, and press the F2 key to turn the page. If you want to modify the parameters of the current interface, press the F3 key to add the value, and press the F4 key to reduce the value. The SET key returns the main interface. The specific parameter interface is as follows:

UI interface	illustrate
	Set the address of the device Scope: 1 ~ 255 Default value: 1
	Set the Potter rate of the device Scope: 2400/4800/9600 Default value: 4800