

Battery Charging Cabinet



SYSBEL® **SYSBEL IS SAFETY**
安全·源自西斯贝尔

Meet the standards and test requirements

International Standards:

- 1.FM6050 Storage Cabinets Flammable Combustible Liquids
- 2.OSHA 29 CFR1910.106
- 3.NFPA CODE 30-2008
- 4.VDMA 24994:2024-08 Test requirements for fire-protection storage cabinets for lithium-ion batteries in the case of thermal runaway

Complies with the following requirements of VDMA 24994:2024-08 Test requirements for fire-protection storage cabinets for lithium-ion batteries in the case of thermal runaway

- 1) Internal Temperature Control: The internal temperature must not exceed 60° C to prevent overheating, especially when a large number of batteries are being charged simultaneously.
- 2) Smoke Detection: The cabinet must be equipped with a smoke detector.
- 3) External Temperature Limitation: The external surface temperature of the cabinet must not exceed 150° C to avoid igniting items placed on or near the cabinet due to excessive heat.
- 4) The battery cabinet will not burst into flames when it catches fire:



Battery Charging Cabinet

Scope of application

Designed with FM6050 standard fire-resistant construction, the product complies with OSHA 1910.101 requirements of Occupational Safety and Health Administration, NFPA 58 regulations of the National Fire Protection Association (NFPA), and VDMA 24994 battery regulations of Germany.

Features

1. Constructed from 1.2mm double-layer welded steel plates, with a 38mm air insulation layer for superior fire resistance, fully compliant with FM6050 fire protection standards.
2. The sides are equipped with professional flame arresters, which can selectively connect to the ventilation system and effectively prevent the spread of flames between the interior and exterior.
3. Features a robust three-point linkage door lock system for enhanced security and anti-theft performance. Supports additional padlocks for dual-person, dual-lock management, in accordance with the Regulations on the Safety Management of Hazardous Chemicals.
4. Integrated PDU industrial socket with a switch, featuring universal outlets compatible with Chinese, British, American, European, and other standard plugs.
5. Fitted with a battery-powered smoke detector that delivers an alarm sound of no less than 85dB, providing prompt warnings in case of a fire inside the cabinet.
6. Adjustable feet at the bottom ensure easy leveling, while the reserved clearance space enables rapid emergency relocation using forklifts or similar equipment.
7. Compact cabinet design suitable for both countertop and under-counter placement, offering flexible and convenient mobility.
8. Power inlet adopts a three-prong socket, equipped with a switch and overload protection. The main power circuit can be manually controlled during normal operation or quickly shut off in an emergency to ensure safety.



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Volume (Gal/L)	Door Type	Color	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
4/15	single/manual	frame: black door panel: blue	64x43x43	78x50x50	2 (32 in 4 75 AC220V/50Hz total)	1	50	AC 220V/50Hz	10A	WA810044

* Charging of special equipment must be confirmed with our company in advance before proceeding (power specifications, charging interface type, etc. must be clearly specified).

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