



Lithium-Ion Battery Charging Safety Cabinet

Avoid catastrophic losses while charging lithium-ion batteries by containing fires, smoke, and explosions with Justrite's proprietary 9-Layer ChargeGuard™ system.

There are over 5,000 Lithium-Ion Battery fires per year.*

The National Fire Protection Association (NFPA) estimates the direct and indirect costs for USA commercial business fires to be \$15.9 billion, annually.



Contact your Martin Sales Rep or
call 800.828.8116 to learn more

*According to a 2018 U.S. Consumer Product Safety Commission Report,



4 Reasons Lithium Battery Fires are More Dangerous



Dangerously Explosive

The combination of gases and pressure build-up unique to lithium-ion batteries make them susceptible to explosions when burning resulting in fires spreading further and faster while posing greater threat of injury and burns to people.



Highly Toxic

A variety of fumes and gases are released when a lithium-ion battery is on fire posing several short-term and chronic threats to people including respiratory and skin irritation, dizziness, headaches, and suffocation as well as negative environmental impacts.



Difficult to Extinguish

Lithium-ion batteries have the ability to generate their own heat and fuel, can combust, have chemical reactions with water, and burn at higher than typical temperatures that are capable of melting concrete, steel and water hoses and after being extinguished can unexpectedly reignite.



Gives Little Warning

The enclosed nature of lithium-ion batteries can mask potential indicators of a battery failure while the fast spreading nature of a lithium-ion battery fire often prevents the ability to stop the fire from spreading.



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Justrite's Lithium-Ion Battery Charging Safety Cabinet

Prevents catastrophic losses while charging lithium-ion batteries by containing fires, smoke, and explosions with Justrite's proprietary 9-Layer ChargeGuard™ System.

9-Layer ChargeGuard™ Containment System

CONTAINMENT LAYERS

EXPLOSIONS

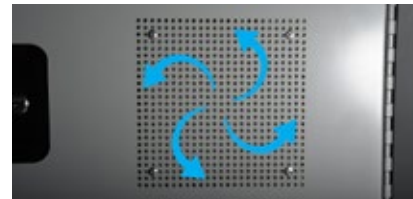


1



Superior Cabinet Construction
Double-wall welded steel provides an impenetrable structure that prevents explosions from escaping.

2



Pressure Relief Vent System
Vented door panels dampen the explosive force of a battery failure.

3

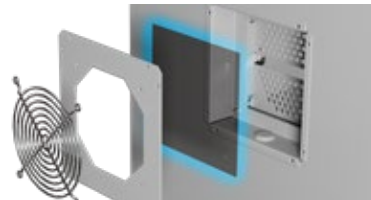


Reinforced Steel Door Latch Plates
Steel latch rods keep with reinforced latch cradle plates, ensure the cabinet doors remain closed.

FIRE



4



Flame Arrestors
Double-layer wire-mesh flame arrestors absorb heat and stop flames from escaping the cabinet.

5



Double Wall with Air Gap
The interior wall absorbs the energy of high-temperature battery failures while a one-and-a-half-inch air gap insulates, maintaining a safe-to-touch outer shell.

6



Door Hinge Flame Guards
Prevent flames from escaping through the door hinges, preventing secondary fires outside the cabinet.

SMOKE



7



Spring Loaded Dampers
Damper flaps close when the cabinet temperature reaches 135°F to reduce the release of harmful smoke and gases by as much as 99%.

8



Unique Filtration System
The Pressure Relief Vent System contains an integrated filter that traps smoke and absorbs toxins.

9



Heat Activated Expanding Door Seals
Intumescent seals swell as temperatures rise to prevent smoke, fumes, and flames from escaping from the door frame.



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Additional Features



Crossflow Fan Ventilation System

A constant supply of fresh air pulling into the cabinet helps keep the batteries cool while charging in their contained environment.



Convenient Benchtop Design

Keep your batteries easily accessible while they charge in a safe and contained environment at a convenient counter height.



Lockable Doors

Control the access to lithium-ion batteries, helping to prevent theft and enforce protocols with its lockable paddle latch handle.



Small Footprint

Maintain safety and battery charging capacity without bulky storage units that consume valuable and limited space.



Technical Specifications

- 157lbs. Total Unit Weight
- 120VAC/60Hz Input
- 8 Receptacles
- 24" x 43" x 18"

Justrite Part #

231703

Options Comparison Chart

Containment Solution	Flame Containment	Smoke Mitigation	Explosion Containment	Charging Capability	Temperature Regulation	Safe-Touch Shell	Lockable	USA Manufactured
Justrite Lithium-Ion Battery Charging Safety Cabinet	✓	✓	✓	✓	✓	✓	✓	✓
Justrite Flammable Cabinet	✗	✗	✓	✗	✗	✓	✓	✓
Storage Box	✗	✗	✗	✗	✗	✗	✓	✗
Open Space	✗	✗	✗	✗	✗	✗	✗	✗



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Total Energy Containment Rating (TECR) of 2kWh

The number of batteries that can be safely stored and charged in the cabinet will vary based on the amount of energy within each battery. Use the chart below to identify the energy of your batteries and how many can be in the Justrite lithium-ion battery charging cabinet at one time.



Battery Containment Capacity Chart

Voltage (V)	Ah	# of Batteries
12	2.5	66
12	3	55
12	6	27
18	3	37
18	5	22
18	6	18
20	3	33
20	5	20
20	9	11
20	12	8
40	4	12
40	5	10
40	8	6

Disclaimer: Our charging cabinet accommodates the charging of up to 8 batteries at a time unless the capacity of your 8 batteries charging at a time exceed the safe TECR of the cabinet. Please be aware that charging capacity may vary depending on battery size and condition. Refer to the chart above or manual for guidelines. Overloading may affect performance or damage the cabinet.

Property Damage Risk Exposure Chart

Sq Ft at Risk	Sq Ft. Value	Exposure Value
25,000	\$500	\$12.5M
50,000	\$500	\$25.0M
100,000	\$500	\$50.0M
250,000	\$500	\$125.0M
500,000	\$500	\$250.0M
1,000,000	\$500	\$500.0M

Warranty

- 10-year Structural
- 1-year Serviceable Parts



MADE IN THE USA With US & Imported Parts
Justrite Safety Group™, the pioneers of workplace fire prevention since 1894.



Contact Your Local Rep to Start Charging Safely Today.



Contact your Martin Sales Rep or call 800.828.8116 to learn more

Easy to Use

1



Remove Your Batteries from Tools

2



Store Your Batteries in the Cabinet

3



Securely Close the Cabinet Doors



LITHIUM-ION BATTERY CHARGING SAFETY CABINET

(800) 798-9250 • [Justrite.com](https://www.Justrite.com)



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