



USER MANUAL & OPERATING INSTRUCTIONS- LITHIUM-ION CHARGING CABINET



Thank you for trusting us!

Justrite Safety Group is a growing family of industrial safety companies. With ten different portfolio brands, each with a specific focus, Justrite Safety Group provides the essential safety products you need to protect your workers and your workplace.



CONGRATULATIONS ON YOUR PURCHASE!

By taking this initial step, you've already begun enhancing the safety of both your staff and your facilities. Please review and follow the instructions and safety guidance provided in this manual.

- Training for Your EHS Team: Start by establishing a comprehensive training program for your Environmental, Health, and Safety (EHS) Team. This training will equip them with the knowledge and skills required to handle Lithium-Ion Batteries safely.
- Create an Emergency Response Plan: Develop an emergency response plan applicable to the safe and proper handling of Lithium-Ion Batteries.
- Collaborate with Local Response Teams: Collaborate with your local response teams, such as Fire, EMS (Emergency Medical Services), and other relevant authorities so that you are prepared to address a battery-related emergency.
- Hazardous Communication Program: Review your Hazardous Communication Program to ensure that it includes the proper steps to take in the event of a battery-related emergency.
- Connect with Hazardous Waste Experts: Reach out to local Hazardous Waste Experts for guidance and support. They can offer valuable insights and resources for safely managing hazardous materials.
- By implementing these steps, you will not only enhance safety but also ensure a well-prepared and informed approach to Lithium-Ion Battery handling.
- Develop a maintenance plan that will ensure the cabinet is cleaned regularly of any debris and dust that may accumulate onto and inside of the cabinet and its components.
- Users must exercise caution and follow all instructions, warnings, and safety guidelines outlined in this manual. Proper training must be implemented to incorporate the use of this cabinet into your Environmental Health and Safety procedures.
- If you have ANY QUESTIONS about the instructions, warnings, or information provided in this manual or with your new Lithium-Ion Battery Charging Safety Cabinet please contact us at the information below:

 North America - 800-798-9250

 Fax: North America - 800-488-5877

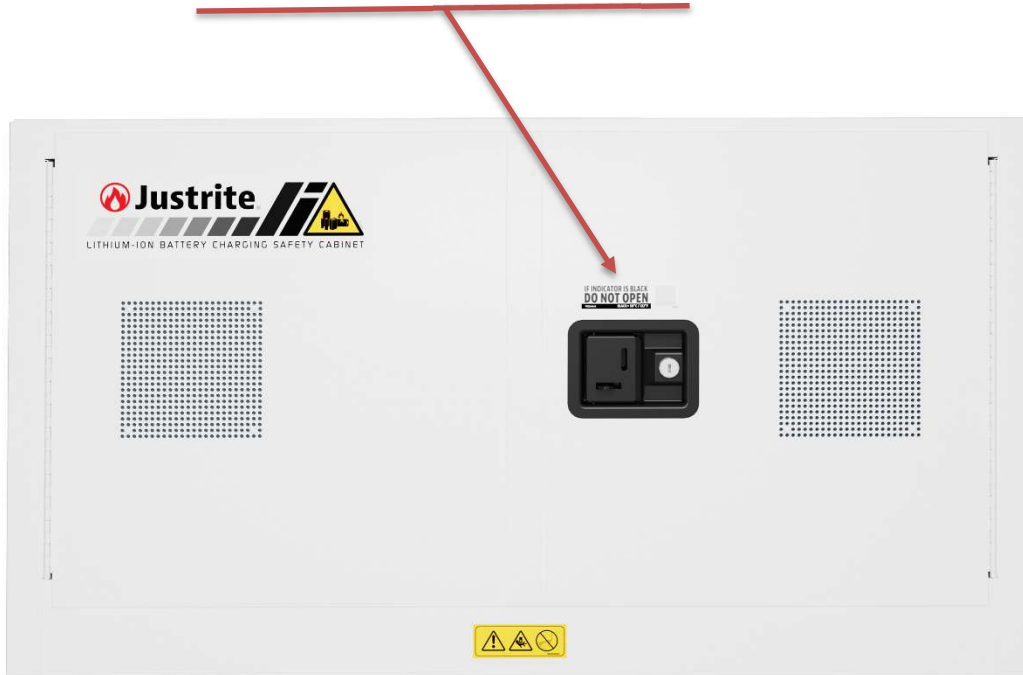
 Email: custserv@justrite.com

SAFETY

If you suspect there is an event occurring inside the cabinet;

⚠ WARNING: DO NOT OPEN THE DOORS. **⚠** CAUTION: Call 9-1-1/Emergency services!

⚠ WARNING: In the event you suspect an event occurring inside the cabinet, the user must FIRST inspect the heat-reactive label on the door (located above the paddle latch/handle) of the cabinet prior to opening the doors.



This label will change from SILVER to BLACK once the temperature has reached 120 Degrees Fahrenheit. This is the first indication that an event may be occurring/-taking place.

- ⚠** CAUTION: If an event has taken place, follow the steps contained in your EHS policy, contact local fire/rescue/emergency services and inform them that you have a possible Lithium-Ion Battery fire. Inform them of the location, the cabinet contents and follow their instructions. Be sure that the area where the cabinet is located is isolated from any additional personnel who may be unaware of the potential event inside the cabinet.
- ⚠** DANGER: After a battery goes into thermal runaway do not open the cabinet until directed by emergency authorities.

QUICKSTART GUIDE

IF YOU DO NOT FULLY UNDERSTAND THIS GUIDE AND ARE NOT TRAINED TO WORK WITH LITHIUM BATTERIES, PLEASE DO NOT USE THIS CABINET.

This cabinet must be placed on a sturdy and level surface.

Cabinet Dimensions: Exterior 24"x43"x18"

Cabinet Weight: 157 pounds

Shelf Capacity: 65 pounds of evenly distributed weight

This product is intended to be plugged into a dedicated 120VAC/60Hz GFCI supply using a minimum 14 gauge cord*.

The maximum total capacity of this cabinet is 4kWh TECR (Total Energy Containment Rating).

**Formula to Convert
Amp-hours to
Kilowatt-hours**

$$kWh = \frac{Ah \times V}{1,000}$$

Inspect batteries for any damage prior to charging!

Always follow the OEM battery manufacturers instructions!

This cabinet is for INDOOR use only.

*(*Supply cord not included with cabinet)*

⚠ WARNING: This product contains lead and lead compounds, known to the State of California to cause cancer, birth defects or other reproductive harm. For more information go to: www.P65Warnings.ca.gov

Model #: 231703
Rating 4kWh TECR
Patent Pending



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

RM04644

INSPECTIONS

Perform an initial inspection on the Lithium-Ion Battery Charging Safety at the time of delivery to identify any damage that may have occurred during transit and prior to installation* (see warranty details for more information). In the event you identify damage to the cabinet during your initial inspection, please contact Justrite immediately at the information provided below.

- ⚠ Inspect batteries for damage before attempting to charge/store. Do not attempt to charge or store damaged batteries. If batteries are damaged, contact your local battery recycling/disposal experts and follow their directions. Dispose of the damaged batteries according to local, state, and federal regulations.

INSTALLATION

This cabinet must be installed onto a sturdy and level surface, inadequate installation of this cabinet may lead to the cabinet not functioning properly.

Cabinet Dimensions: Exterior (inches) 24x43x18

Cabinet Weight (empty): 157 pounds

Shelf Capacity: 65 pounds of evenly distributed weight

Ensure the installation location is structurally adequate to support the weight of the cabinet.

The area must be well ventilated and installed in accordance with your EHS policies (AWAY from fire escape pathways or emergency exits including underneath stairwells).

The area must be cool and dry. Refer to your battery OEM instruction manual for the ambient conditions the batteries require.

SAFETY CONSIDERATIONS WHEN INSTALLING THE CABINET:

- ⚠ DANGER: Do not modify the cabinet in any way. Modifying the cabinet from its intended design creates safety hazards including, not limited to, the risk of fire, explosion, burn, or other potential bodily injuries.
- ⚠ DANGER: Do not install this cabinet onto an unlevel surface to avoid a tipping hazard.
- ⚠ WARNING: Do not use the top of the cabinet for storage. The top of the cabinet must be always free and clear of any obstructions.
- ⚠ WARNING: Do not install this cabinet onto a vehicle.
- ⚠ CAUTION: The cabinet must be plugged in and the fan operational while the cabinet is in use.
- ⚠ CAUTION: The cabinet must maintain adequate external clearance (6" minimum)- DO NOT block the vents or the fan!
- ⚠ CAUTION: This cabinet is for indoor use only.
- ⚠ CAUTION: This product is intended to be plugged into a dedicated 120VAC/60Hz GFCI supply using a minimum 14 gauge cord. (Supply cord not included with cabinet)
- ⚠ CAUTION: According to California Health and Safety Code section 25249.5 et seq. ("Prop 65") and one of its enabling regulations at 27 CCR § 25600.2(b), California law requires any company to declare if their products contain certain substances, as so listed on <https://oehha.ca.gov/proposition-65/proposition-65-list> for products sold in California. Many products have a very small percentage of the overall components that require a Prop 65 warning, such as safety cabinets. The small fusible link contains lead. This is less than 1% of the total cabinet construction.

REQUIRED UTILITIES

This product is intended to be plugged into a dedicated 120VAC/60Hz GFCI supply using a minimum 14 gauge cord. (Supply cord not included with cabinet)

Flexible cords and cables must be rated for their conditions of use and their "location" (for example; dry locations, or locations exposed to direct sunlight). If you have any questions about connecting your Lithium-Ion Battery Charging Safety Cabinet to a proper power source, please contact a licensed electrician.

INTENDED USE

This Lithium-Ion Battery Charging Safety Cabinet is designed to significantly reduce the hazards resulting from a lithium-ion thermal runaway event. This cabinet is intended to function as secondary containment only for undamaged Lithium-ION Batteries and/or their OEM chargers up to the TECR (Total Energy Containment Rating). The Lithium-Ion Battery Charging Safety Cabinet 's design limits surface temperature and reduces the risk of burns to the skin in the event of a lithium-ion thermal runaway event. The risk of burns to the skin is inherent in any lithium-ion thermal runaway event.

- The maximum total capacity of this cabinet is 4kWh TECR (Total Energy Containment Rating).

This cabinet is designed to function only while the doors are closed and fully latched to ensure a complete seal along the perimeter of the gasketed surface.

This cabinet must be installed onto a sturdy and level surface, capable of withstanding the total weight of the cabinet plus the contents inside.

Follow the OEM storage requirements for each brand of batteries that you intend to place inside the cabinet.

NOTICE: Our product does not supersede or replace any storage requirements or safety instructions set by the OEM battery manufacturer. Refer to the OEM battery manufacturer's terms and conditions and comply with any specialized storage needs.

- ⚠ WARNING: Do not use this cabinet to store anything other than up to the recommended maximum capacity of Lithium-ION Batteries and/or their charging bases.
- ⚠ WARNING: Do not overcharge batteries- Be sure to follow all instructions for the battery per the OEM documentation.
- ⚠ WARNING: Do not stack batteries inside the cabinet.
- ⚠ WARNING: Do not store other items inside the cabinet that are not Lithium-ION batteries or a Lithium-ION battery charger.
- ⚠ WARNING: Do not store or use any combustible materials within three feet of this cabinet.
- ⚠ CAUTION: This Cabinet is NOT intended to have self-closing doors. Do not install a self closing door kit onto this cabinet, as it will not function as designed and this will void the warranty.
- ⚠ CAUTION: Proper training must be implemented to incorporate the use of this cabinet into your Environmental Health and Safety procedures.
- ⚠ CAUTION: Shelf Capacity: 65 pounds of evenly distributed weight
- ⚠ CAUTION: Inspect batteries for damage before attempting to charge/store. Do not attempt to charge or store damaged batteries. Dispose of batteries according to your local Hazardous Waste Disposal Experts.

MAINTENANCE

This cabinet should be inspected and suggested preventative maintenance performed as follows:

- Inspection of the gaskets/cabinet seals for any cracks, degradation, tears, rips or gaps in the gasket material. It is recommended that the fit of the gasketing be checked annually and adjusted if necessary to seal properly against the door surface.
- If cleaning of the gasket is desired, we recommend either dry dusting or wiping with a mild cleaning solution. Do not use a scraper, excess moisture or anything abrasive that may damage the adhesive.
- The components must be maintained to a clean and debris-free state. Wipe away any dust from accumulating onto and inside of the cabinet and its components.
- Inspect the cabinet prior to placing the cabinet into service, as well as implementing routine inspections during the life of the cabinet.
- Inspect the supply cord for any damage. If you have any concerns over the condition of the supply cord, please contact a licensed electrician to determine the condition of the cord.
- Individual usage of this cabinet will vary and the accumulation of debris/wear and tear will determine the frequency of maintenance required. It is recommended to inspect this cabinet weekly to determine the necessary frequency of maintenance for your installation.

Failure to adequately maintain and care for the Lithium-Ion Battery Charging Cabinet, including its components, may result in the warranty being voided.

TROUBLESHOOTING

Need help?  North America - 800-798-9250  Fax: North America - 800-488-5877  Email: custserv@justrite.com

Doors won't close?

If you are having trouble getting the doors to close and latch properly, please first ensure that the cabinet is level and all feet are securely making solid contact with the surface of the table. If the cabinet can rock or flex in any way the doors will not function properly.

Check the gaskets to make sure they are all intact and in good condition, and that nothing is obstructing the doors.

Fan/Power strip not on?

Confirm that the unit is correctly plugged into a dedicated 120VAC/60Hz GFCI supply using a minimum 14 gauge cord (supply cord not included with cabinet).

Ensure nothing is obstructing the fan from freely operating. Do not insert any objects into the fan housing.

Check the power button on the power strip to ensure it is positioned to the "On" position.

Contact customer service with any additional questions, we'd be happy to help!

Justrite offers a 1-year warranty on serviceable parts and a standard 10-year warranty on the Lithium-Ion Battery Charging Safety construction.

This product is designed for secondary storage and may not be used in other applications or for any other purposes. Justrite shall not be liable for any damages resulting from a failure to adhere to the battery manufacturer's storage requirements.

* If any damage is observed at the time of delivery the customer is responsible for noting the damages on the bill of lading. The customer is responsible for contacting the manufacturer upon delivery to inform them of the damages. The customer is responsible for providing the manufacturer with a copy of the signed bill of lading with the damages noted, as well as adequate photographs clearly showing the damages claimed, as well as identifying shipment labels and full photographs showing each side of the product and the crate/skid/packaging and materials. Any damage must be reported immediately upon delivery, but no later than 24 hours after delivery. If the customer does not report damages within this timeframe the customer risks assuming all responsibility for the delivery and accepts the cabinet in the state of delivery. Justrite makes no guarantee, implied or otherwise, of a replacement product due to freight/shipping damages that were not reported per these terms.

The Warranty is limited to the replacement of Products. Justrite assumes no responsibility to bear the cost to replace/install any warranted components. Justrite will make every reasonable attempt to replace any defective components covered under the warranty, however Justrite will not assume any additional costs or back charges should labor be required to rectify the replacement items sent to uphold the warranty. Warranty does not apply to any products which have been subject to any misuse, including but not limited to products used with materials that are not recommended by the manufacturer in instructions furnished with the product or in published product descriptions; products which have been altered in any way by the user or used in a manner inconsistent with their intended use; products which have been subjected to severe treatment (undue pressure against movable parts, exposure to severe weather, dropping, etc.) not reasonably associated with "ordinary" usage. THESE ARE JUSTRITE'S ONLY WARRANTIES. JUSTRITE MAKES NO OTHER EXPRESS WARRANTIES AND HEREBY DISCLAIMS ALL IMPLIED WARRANTIES, INCLUDING, WITHOUT LIMITATION, THE IMPLIED WARRANTIES OF MERCHANTABILITY, NON INFRINGEMENT AND FITNESS FOR A PARTICULAR PURPOSE. If customer notifies Justrite in writing during the warranty period that the products are not in conformity with the warranty, and if Justrite determines that the products are non-conforming, Justrite will, at Justrite's sole option, repair or replace the purchase price thereof, at its sole option, F.O.B. point of manufacture, provided customer returns such products to Justrite, freight prepaid. This shall be the customer's exclusive remedy for Justrite's liability. Any claims not made during the warranty period are deemed waived by the customer. Justrite's warranty does not attach to Products or parts not manufactured by Justrite. Justrite will pass on to the customer the warranty, if any, it receives from the manufacturer of such products or parts, but only to the extent allowed by such manufacturer.

LIABILITY

Justrite's aggregate liability to customer or anyone claiming through or on behalf of customer, with respect to any claim or Loss arising out of or relating to any products or alleged to have resulted from any act or omission of Justrite, whether negligent or otherwise, and whether in tort, contract, or otherwise, shall be limited to an amount not to exceed the price received by Justrite for the portion of the products with respect to which such liability is claimed. Any contract created between the Justrite and customer is subject to the specific conditions that (a) Justrite is not obligated to provide insurance or indemnify customer, and (b) there are no flow-downs from any person or entity including the federal government that becomes part of the contract .UNDER NO CIRCUMSTANCES SHALL JUSTRITE BE LIABLE TO CUSTOMER OR ANY OTHER PERSON OR ENTITY FOR INCIDENTAL, CONSEQUENTIAL, EXEMPLARY, PUNITIVE OR SPECIAL DAMAGES OR ANY OTHER LOSSES OR EXPENSES, INCLUDING WITHOUT LIMITATION, FOR INJURIES OR DAMAGE TO PROPERTY, LOSS OF PROFIT, REVENUES OR USE, DIMINUTION IN VALUE, COST OF SUBSTITUTE PRODUCTS, DOWNTIME COSTS, OR CLAIMS OF CUSTOMER'S CUSTOMERS EVEN IF JUSTRITE HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES, AND REGARDLESS OF THE THEORY (CONTRACT, TORT OR OTHERWISE) UPON WHICH CLAIM IS BASED AND NOTWITHSTANDING THE FAILURE OF ANY AGREED OR OTHER REMEDY OF ITS ESSENTIAL PURPOSE. Justrite has made a diligent effort to illustrate and describe the products in their price lists. However, such illustrations and descriptions are for the sole purpose of identification. Always check for product specifications prior to purchase. Justrite reserves the right to update this information at any time, and without prior notice.

By using this product, the customer acknowledges and agrees that Justrite shall not be held liable for any personal or property damage resulting from the customer's negligent use of the product. The customer further agrees to hold Justrite harmless and waives any right to litigation related to such damages. This agreement is binding upon the customer and their successors, assigns, and legal representatives, and transfers to the new owner if the product is re-sold. The original purchasing customer is responsible for passing on all original documentation in the event the product is re-sold, and so on- in succession.

PROHIBITIONS: This product is not designed or intended for use by children or animals. It may contain small parts or features that could pose a choking hazard or other risks to children. Keep this product out of the reach of children/animals and ensure it is used only by adults/adequately trained individuals.