

Easy UPS 3S

IP40 Kit for UPS

Installation

E3SOPT031, E3SOPT032

Latest updates are available on the Schneider Electric website
8/2025

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Important Safety Instructions — SAVE THESE INSTRUCTIONS

Read these instructions carefully and look at the equipment to become familiar with it before trying to install, operate, service or maintain it. The following safety messages may appear throughout this manual or on the equipment to warn of potential hazards or to call attention to information that clarifies or simplifies a procedure.



The addition of this symbol to a “Danger” or “Warning” safety message indicates that an electrical hazard exists which will result in personal injury if the instructions are not followed.



This is the safety alert symbol. It is used to alert you to potential personal injury hazards. Obey all safety messages with this symbol to avoid possible injury or death.

DANGER

DANGER indicates a hazardous situation which, if not avoided, **will result in death or serious injury**.

Failure to follow these instructions will result in death or serious injury.

WARNING

WARNING indicates a hazardous situation which, if not avoided, **could result in death or serious injury**.

Failure to follow these instructions can result in death, serious injury, or equipment damage.

CAUTION

CAUTION indicates a hazardous situation which, if not avoided, **could result in minor or moderate injury**.

Failure to follow these instructions can result in injury or equipment damage.

NOTICE

NOTICE is used to address practices not related to physical injury. The safety alert symbol shall not be used with this type of safety message.

Failure to follow these instructions can result in equipment damage.

Please Note

Electrical equipment should only be installed, operated, serviced, and maintained by qualified personnel. No responsibility is assumed by Schneider Electric for any consequences arising out of the use of this material.

A qualified person is one who has skills and knowledge related to the construction, installation, and operation of electrical equipment and has received safety training to recognize and avoid the hazards involved.

Per IEC 62040-1: "Uninterruptible power systems (UPS) -- Part 1: Safety Requirements," this equipment, including battery access, must be inspected, installed and maintained by a skilled person.

The skilled person is a person with relevant education and experience to enable him or her to perceive risks and to avoid hazards which the equipment can create (reference IEC 62040-1, section 3.102).

Safety Precautions

⚠ DANGER

HAZARD OF ELECTRIC SHOCK, EXPLOSION, OR ARC FLASH

All safety instructions in this document must be read, understood and followed.

Failure to follow these instructions will result in death or serious injury.

⚠ DANGER

HAZARD OF ELECTRIC SHOCK, EXPLOSION, OR ARC FLASH

Read all instructions in the Installation Manual before installing or working on this UPS system.

Failure to follow these instructions will result in death or serious injury.

⚠ DANGER

HAZARD OF ELECTRIC SHOCK, EXPLOSION, OR ARC FLASH

The UPS system must be installed according to local and national regulations. Install the UPS according to:

- IEC 60364 (including 60364-4-41- protection against electric shock, 60364-4-42 - protection against thermal effect, and 60364-4-43 - protection against overcurrent), **or**
- NEC NFPA 70, **or**
- Canadian Electrical Code (C22.1, Part 1)

depending on which one of the standards apply in your local area.

Failure to follow these instructions will result in death or serious injury.

⚠ DANGER

HAZARD OF ELECTRIC SHOCK, EXPLOSION, OR ARC FLASH

Do not make mechanical changes to the product (including removal of cabinet parts or drilling/cutting of holes) that are not described in the Installation Manual.

Failure to follow these instructions will result in death or serious injury.

NOTICE

RISK OF OVERHEATING

Respect the space requirements around the UPS system and do not cover the product's ventilation openings when the UPS system is in operation.

Failure to follow these instructions can result in equipment damage.

Electrical Safety

DANGER

HAZARD OF ELECTRIC SHOCK, EXPLOSION OR ARC FLASH

- Electrical equipment must be installed, operated, serviced, and maintained only by qualified personnel.
- Apply appropriate personal protective equipment (PPE) and follow safe electrical work practices.
- Turn off all power supplying the UPS system before working on or inside the equipment.
- Before working on the UPS system, check for hazardous voltage between all terminals including the protective earth.
- The UPS contains an internal energy source. Hazardous voltage can be present even when disconnected from the utility/mains supply. Before installing or servicing the UPS system, ensure that the units are OFF and that utility/mains and batteries are disconnected. Wait five minutes before opening the UPS to allow the capacitors to discharge.
- A disconnection device (e.g. disconnection circuit breaker or switch) must be installed to enable isolation of the system from upstream power sources in accordance with local regulations. This disconnection device must be easily accessible and visible.
- The UPS must be properly earthed/grounded and due to a high touch current/leakage current, the earthing/grounding conductor must be connected first.

Failure to follow these instructions will result in death or serious injury.

DANGER

HAZARD OF ELECTRIC SHOCK, EXPLOSION, OR ARC FLASH

- Always perform correct Lockout/Tagout before working on the UPS.
- A UPS with autostart enabled will automatically restart when the mains supply returns.
- If autostart is enabled on the UPS, a label must be added on the UPS to warn about this functionality.

Failure to follow these instructions will result in death or serious injury.

Add the label below on the UPS if autostart has been enabled:

DANGER

HAZARD OF ELECTRIC SHOCK, EXPLOSION, OR ARC FLASH

Autostart is enabled. The UPS will automatically restart when the mains supply returns.

Failure to follow these instructions will result in death or serious injury.

Specifications

Model List

- E3SOPT031: Easy UPS 3S IP40 kit for 10 kVA - 20 kVA 400 V UPS for internal batteries
- E3SOPT032: Easy UPS 3S IP40 kit for 30 kVA - 40 kVA 400 V UPS for internal batteries

Load Derating for UPS with IP40 Kit Installed

NOTICE

RISK OF OVERHEATING

- A UPS with IP40 kit may require load derating / overload derating. See table below.
- Read all instructions in the installation manual before installing or working on this UPS.

Failure to follow these instructions can result in equipment damage.

UPS commercial reference	UPS rating	Maximum continuous load at 30 °C at power factor = 1	Maximum continuous load at 40 °C at power factor = 0.9	Operating temperature and load derating
E3SUPS10K3IB	10	7 kVA/7 kW	7 kVA/6.3 kW	0 °C to 30 °C (PF=1): 70% derating. 30 °C to 40 °C (PF = 0.9): 70% derating.
E3SUPS15K3IB	15	10.5 kVA/10.5 kW	10.5 kVA/9.45 kW	
E3SUPS20K3IB	20	14 kVA/14 kW	14 kVA/12.6 kW	
E3SUPS10KHB	10	7 kVA/7 kW	7 kVA/6.3 kW	
E3SUPS15KHB	15	10.5 kVA/10.5 kW	10.5 kVA/9.45 kW	
E3SUPS20KHB	20	14 kVA/14 kW	14 kVA/12.6 kW	
E3SUPS30K3IB	30	21 kVA/21 kW	21 kVA/18.9 kW	
E3SUPS30KHB	30	21 kVA/21 kW	21 kVA/18.9 kW	
E3SUPS40KHB	40	28 kVA/28 kW	28 kVA/25.2 kW	

Torque Specifications

Bolt size	Torque
M4	1.2 Nm

Installation Procedure

NOTE: This procedure describes installing the IP40 kit **after** power cabling and signal cabling is completed. Rear access is required to install the IP40 kit on the UPS.

DANGER

The UPS must be completely turned off while the kit is being installed.

Failure to follow these instructions will result in death or serious injury.

1. Follow the UPS installation manual to install the UPS.
2. Install the IP40 Front Protection on the UPS, page 11.
3. Install the IP40 Rear Protection on the UPS, page 15.
4. Install the IP40 Side Protection on the UPS, page 17.

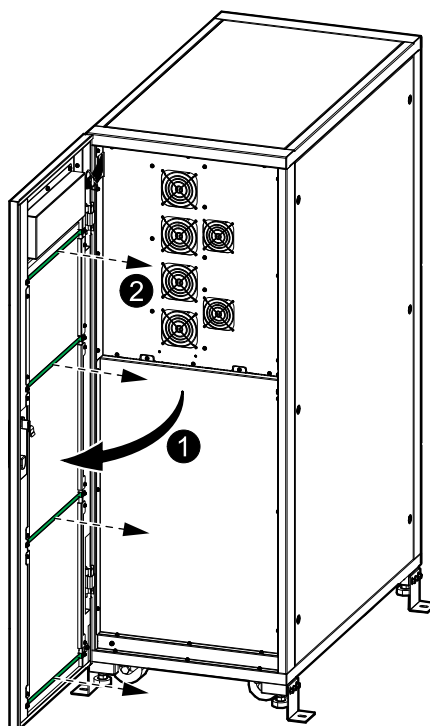
Install the IP40 Front Protection on the UPS

⚠ DANGER

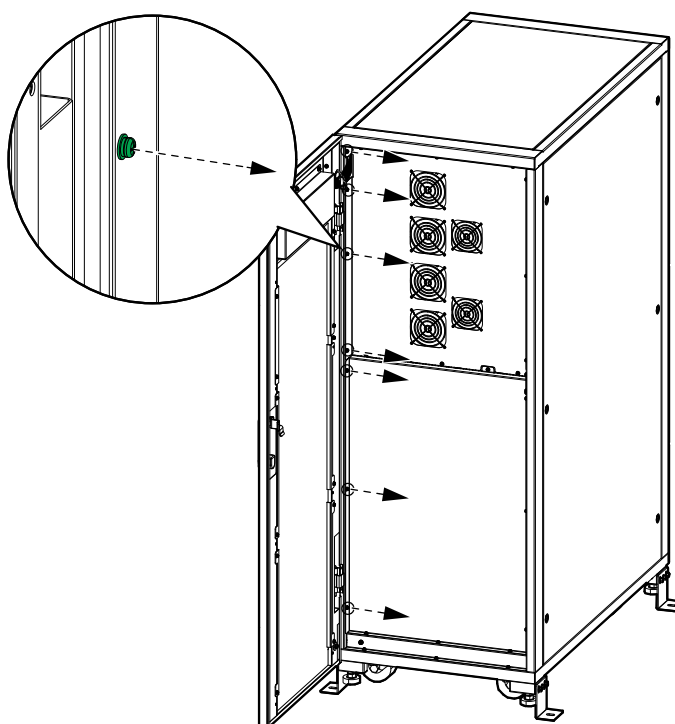
The UPS must be turned completely OFF before performing this procedure.

Failure to follow these instructions will result in death or serious injury.

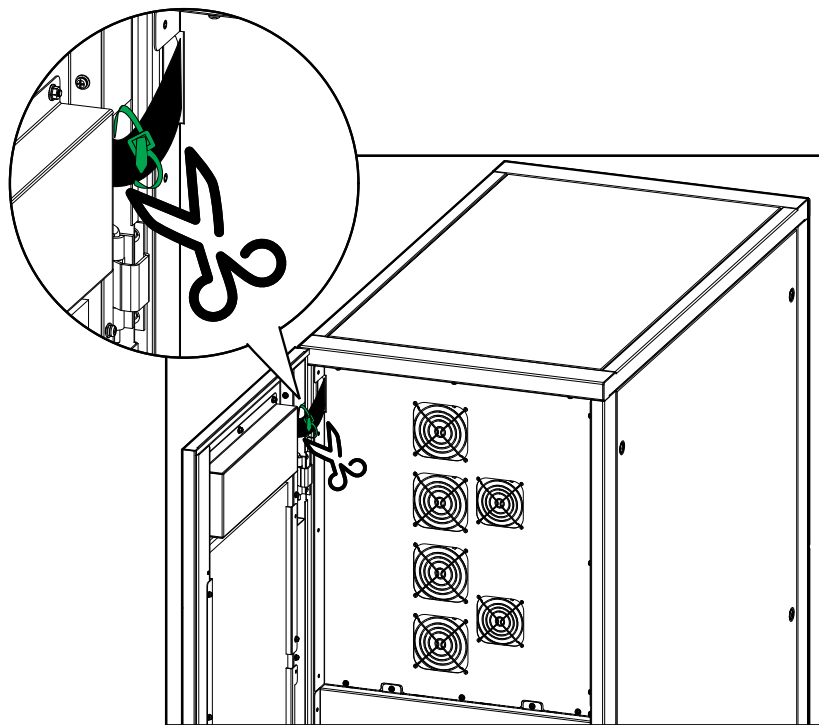
1. Open the front door of the UPS.
2. Remove the supporting brackets on the front door. Save the M4 screws for reuse.



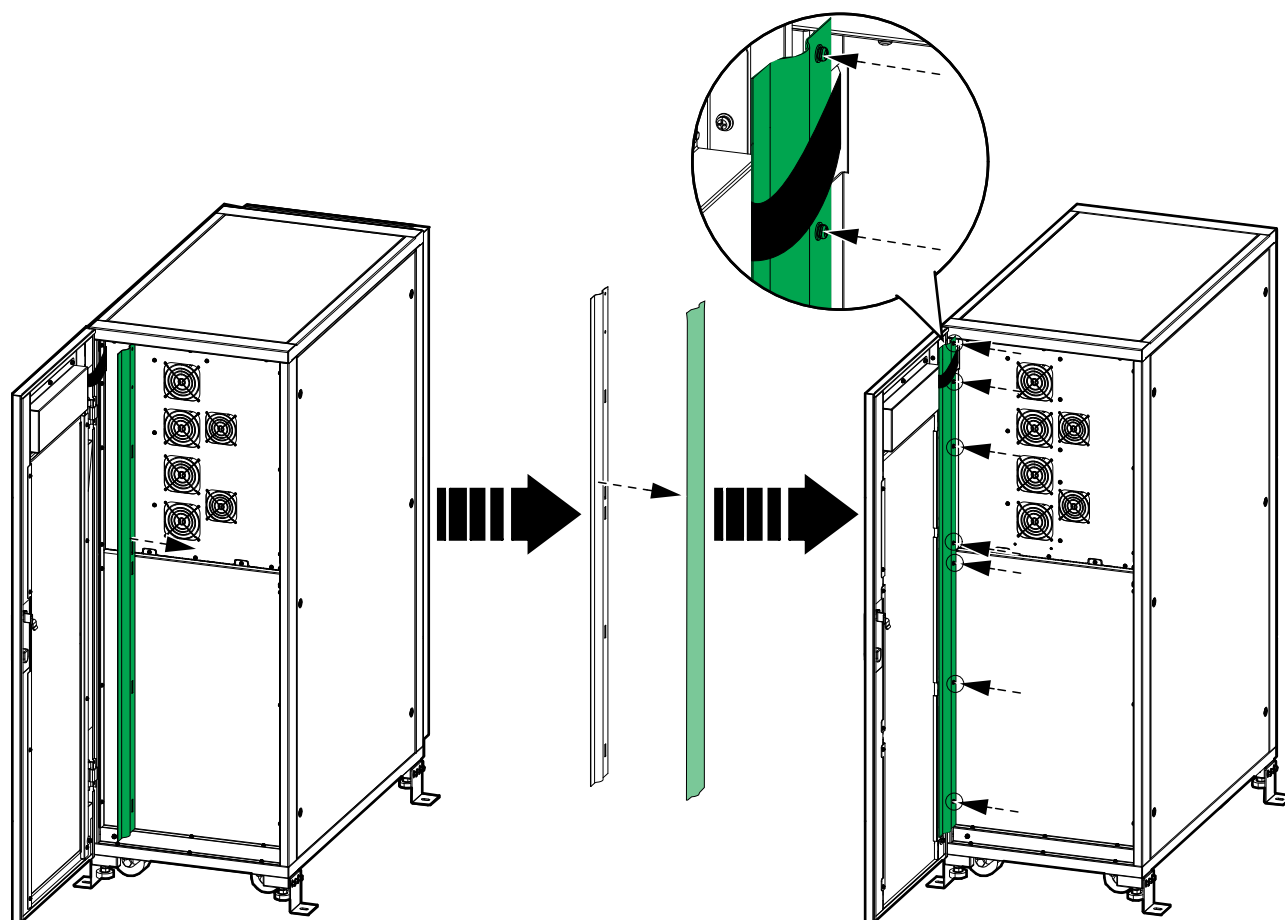
3. Remove the M4 screws on the left side of the fan cover and the battery compartment cover. Save the M4 screws for reuse.



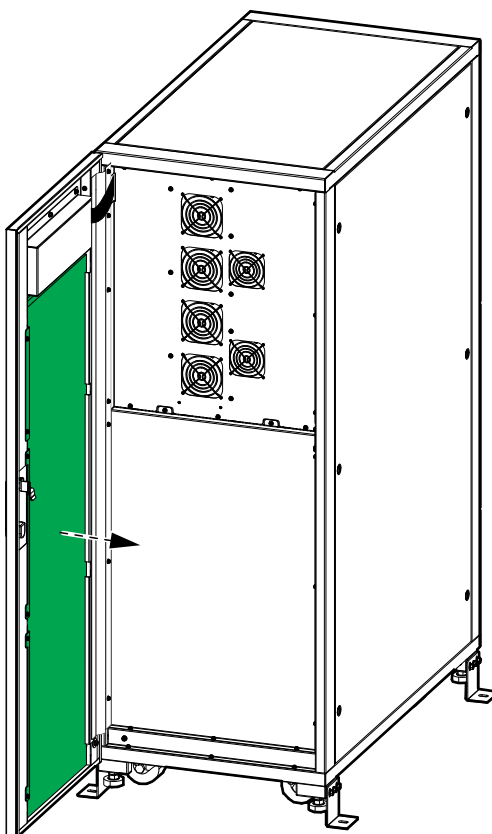
4. Cut the cable tie on the front door.



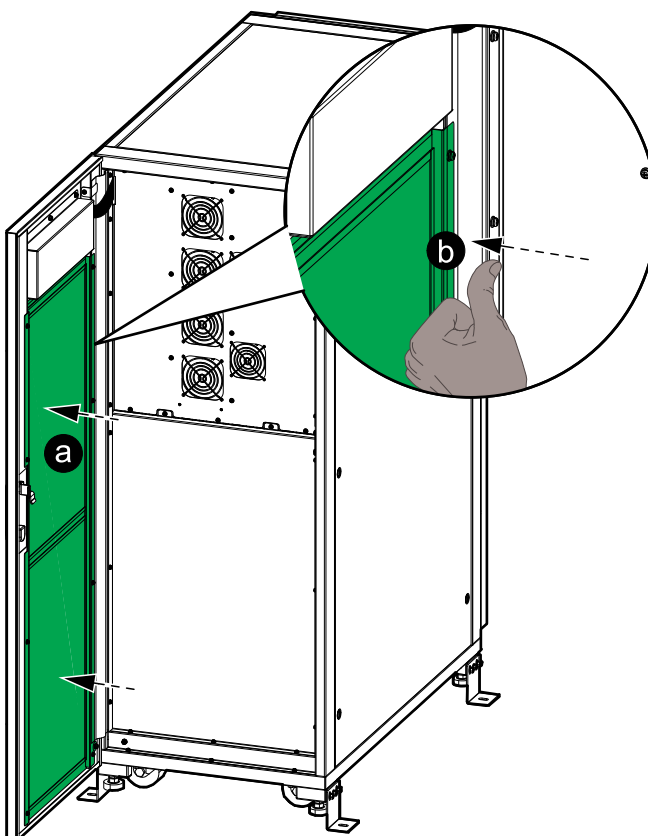
5. Take out the silicone strips from the IP40 kit and peel off the protective films from the silicone strips. Attach the silicone strips on the UPS in the indicated position with the reused M4 screws.



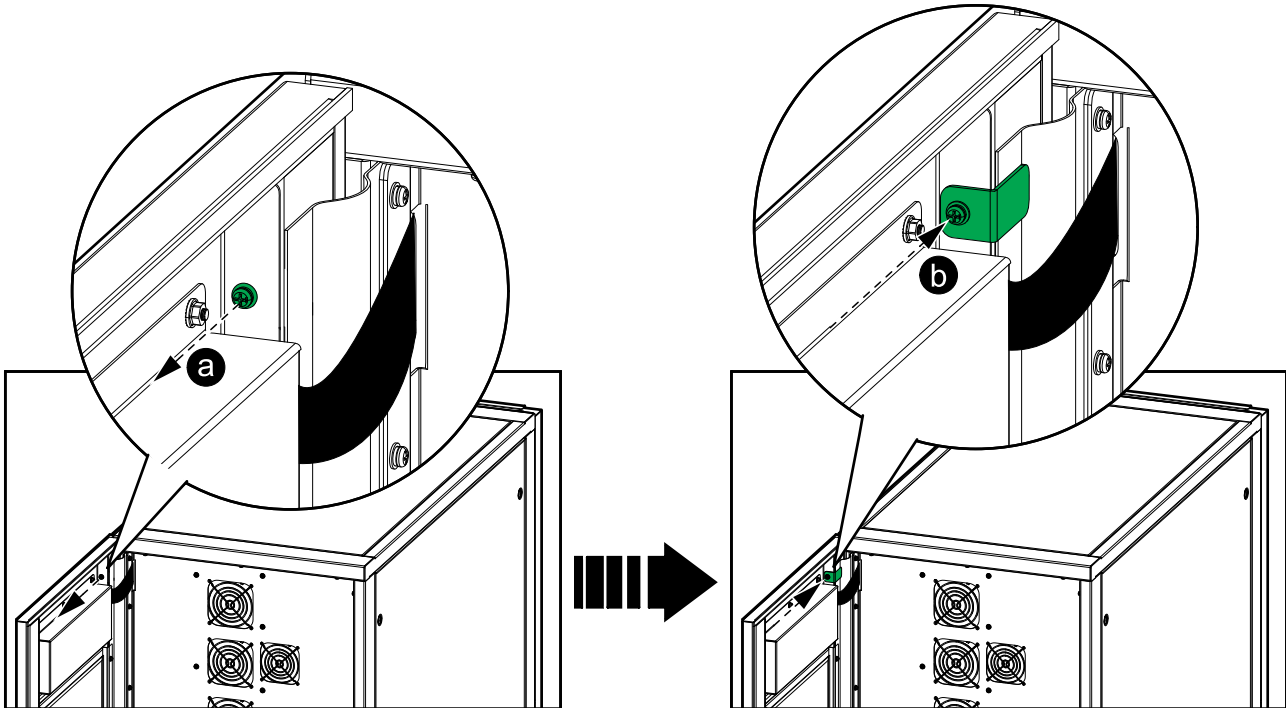
6. Remove the existing air filter from the UPS.



7. Install the new air filter on the UPS.
- a. Fix the new air filter on the UPS with the reused M4 screws.
 - b. Ensure that the silicone strips are pressed under the air filter.



8. Install the small bracket.
 - a. Remove the screws next to the front door display cover. Save the M4 screws for reuse.
 - b. Install the small bracket on the UPS with the reused M4 screws.



9. Close the front door.

Install the IP40 Rear Protection on the UPS

⚠ DANGER

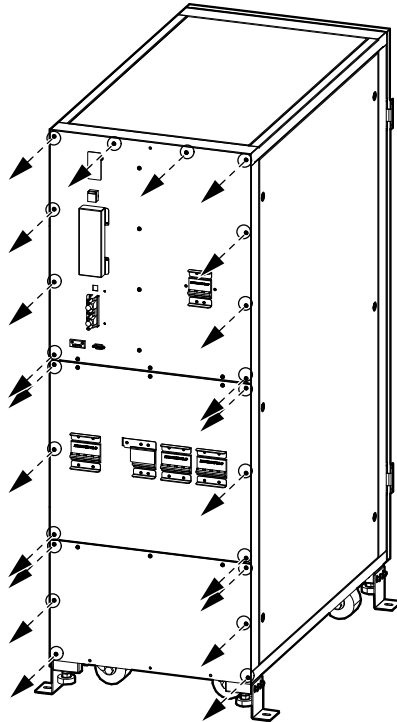
The UPS must be turned completely OFF before performing this procedure.

Failure to follow these instructions will result in death or serious injury.

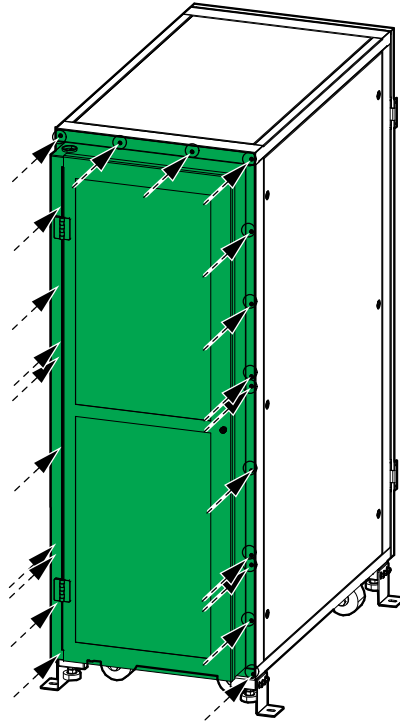
1. Remove the M4 screws from the rear panels. Save the screws for reuse.

NOTE: Do not remove the rear panels from the UPS.

Rear View



2. Install the new IP40 protection over the existing rear panels with the reused M4 screws.

Rear View

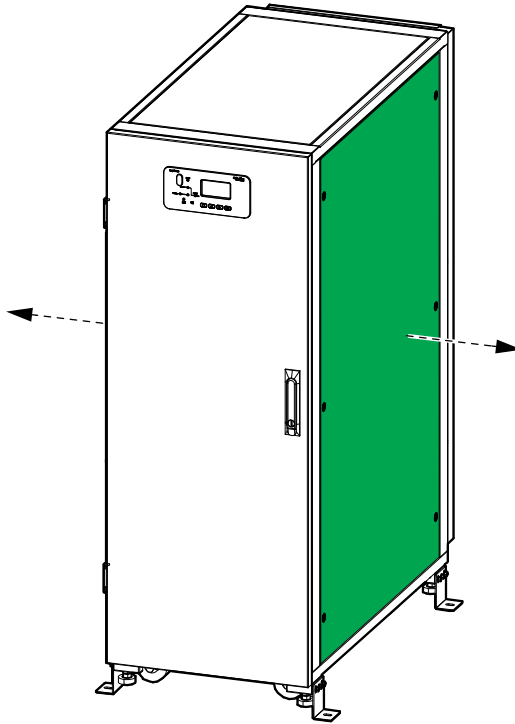
Install the IP40 Side Protection on the UPS

⚠ DANGER

The UPS must be turned completely OFF before performing this procedure.

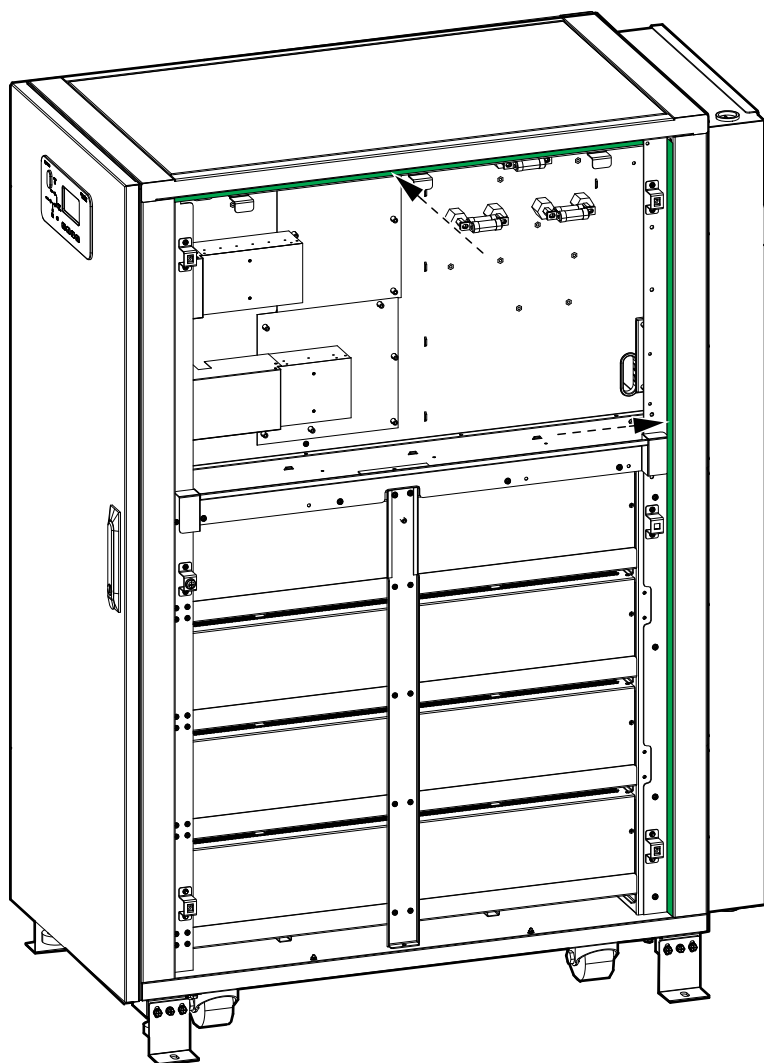
Failure to follow these instructions will result in death or serious injury.

1. Remove the left and right side panels from the UPS. Save the M4 screws for reuse.

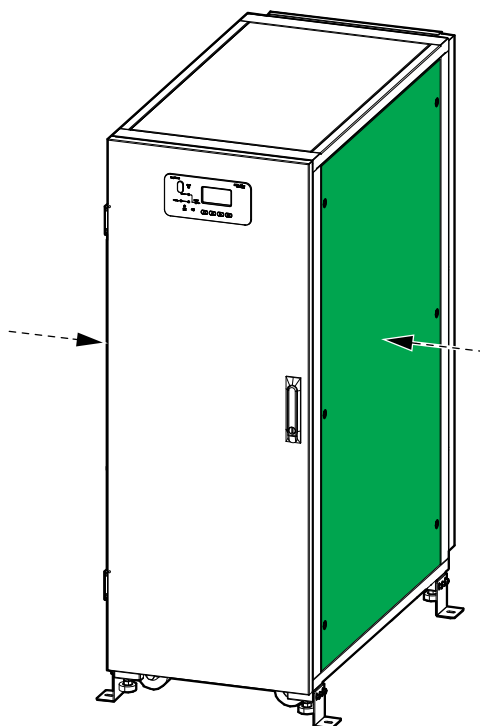


2. Attach the protective sponge strips on both the left and right sides of the UPS.

Side View



3. Reinstall the left and right side panels on the UPS with the reused M4 screws.



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