



TAKE FIVE for Safety- Lithium-Ion Battery Safety

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Office of Environment, Health, Safety and Security

Data Collection Sheet

CPSC Warns Consumers to Immediately Stop Using Aeiosny Power Stations Due to Risk of Serious Injury or Death from Fire; Sold on Amazon

Tracking Number	Source of Issue	Source Tracking Number
DCS 3067	CPSC	25-454

The Office of Environment, Safety & Health (ES&H) Reporting and Analysis is providing this Data Collection Sheet (DCS) to inform the DOE complex that the Consumer Product Safety Commission (CPSC) has issued the following Product Safety Warning. The DOE complex should stop using this product unless otherwise instructed by the manufacturer.

Product Name: Aeiosny 400W and 500W portable power stations.

Potential Affected Units: Defective power stations were sold on Amazon from July 2010 through September 2022.

Description of Issue: The CPSC is warning consumers to immediately stop using Aeiosny 400W and 500W portable power stations because the internal lithium-ion battery can explode and ignite, posing a fire hazard and risk of serious injury or death. CPSC has received 24 reports of fires and explosions involving the defective power stations, including three reports of smoke inhalation and burn injuries requiring medical attention and 10 reports of property damage totaling approximately \$450,000. Shenzhen Yuanzhao E-Commerce Co., Ltd., of China, manufactures this product and has been unresponsive to CPSC requests for a recall or information about this product. The defective power stations are yellow and black and "Aeiosny" is printed on the side. The wattage (400W or 500W) can be found either in the user manual or on the purchase receipt.



Defective Aeiosny 400W power station



U.S. DEPARTMENT of ENERGY

Office of Environment, Health, Safety and Security

Data Collection Sheet

ESR HaloLock Wireless Power Banks Recalled Due to Fire and Burn Hazards; Distributed by Waymeet

Tracking Number	Source of Issue	Source Tracking Number
DCS 3058	CPSC	25-437

The Office of Environment, Safety & Health (ES&H) Reporting and Analysis is providing this Data Collection Sheet (DCS) to inform the DOE complex that the Consumer Product Safety Commission (CPSC) has issued the following Recall Notice. The DOE complex should stop using this product unless otherwise instructed by the manufacturer.

Product Name: ESR HaloLock Wireless Power Banks.

Potential Affected Units: About 24,000 sold at Amazon.com, Homedepot.com and Esrttech.com from September 2023 through July 2025.

Description of Issue: ESR HaloLock is recalling wireless power banks with model numbers 2G520, 2G505B and 2G512B due to the lithium-ion battery in the recalled power banks can overheat and ignite, posing fire and burn hazards to consumers. "ESR" is printed on the back and the model number is printed on the right side of the pocket-size power banks. They were sold in dark blue, light blue, gray, white and black. All recalled models have five circular LED display lights on one side.



ESR HaloLock Kickstand Wireless Power Bank Model 2G520



ESR HaloLock Kickstand Wireless Power Bank Model 2G505B



U.S. DEPARTMENT of ENERGY

Lithium-Ion Batteries

- Because lithium-ion batteries combine a flammable electrolyte with a significant amount of stored energy, thermal runaway reactions are possible.
- Thermal runaway is a chain reaction where the heat released from the failure of one cell damages nearby cells.
- This can be initiated by internal short circuiting due to defects during manufacturing, mechanical damage to the battery, exposure to excessive heat or cold, and improper charging.

Thermal Runaway and Fires

- Thermal runaway can be identified by several indicators including: a rise in battery temperature, venting of gas, vapor, or smoke from the battery, or the presence of fire.
- Fires caused by thermal runaway can produce additional chemical hazards that may include hydrogen fluoride (HF), hydrogen chloride (HCl), hydrogen cyanide (HCN), phosphoryl fluoride (POF₃), carbon monoxide (CO), carbon dioxide (CO₂), black carbon, and other potentially hazardous chemicals and particulates.

OSHA Recommendations

- Store lithium-ion batteries and devices in dry, cool locations
- Follow manufacturer's instructions for storage, use, charging, and maintenance of lithium-ion batteries
- Limit the quantity of stored lithium-ion batteries
- Dispose of lithium-ion batteries and devices containing these batteries, at designated recycling facilities and do not place them in municipal trash or recycling bins
- Do not mix battery types (e.g. lithium-ion, alkaline, lead acid) in recycling facilities

NFPA Safety Tips

- Purchase and use devices that are listed by a nationally recognized testing laboratory.
- Always follow the manufacturer's instructions.
- Only use the battery that is designed for the device.
- Only use the charging cord that came with the device.
- Do not charge a device under your pillow, on your bed, or on a couch.
- Do not keep charging the device or device battery after it is fully charged.
- Keep batteries at room temperature when possible. Do not charge them at temperatures below 32°F (0°C) or above 105°F (40°C).
- Store batteries away from anything that can catch fire

Signs of a Problem (per NFPA)

- Stop using the battery if you notice these problems:
 - odor,
 - change in color,
 - too much heat,
 - change in shape,
 - leaking, or
 - odd noises.

If it is safe to do so, move the device away from anything that can catch fire. Call 9-1-1 (offsite) or x2222 (BNL).

Recycle Batteries Responsibly

- Don't throw lithium-ion batteries in the trash or regular recycling bins because they could start a fire.
- Recycle your device or battery at a safe battery recycling location.
- NOTE— at BNL waste lithium-ion batteries are collected as “Universal Waste” in dedicated containers.