

Lithium-Ion Battery Designated Charging or Storage Area

Best Practices

- Always purchase batteries from a reputable manufacturer or supplier known to provide quality batteries
- Read all the documentation supplied with your battery
- Always inspect the battery for signs of damage (puffy, leaking,...)
- If damaged, do not use batteries and contact EHS for disposal
- If you need to transport the battery protect the terminals and any uninsulated connections
- If you are carrying your batteries around, keep them in a hard plastic container that will prevent puncture and shorting
- Don't leave the battery in a hot car in the sun or hot environment

Charging/Discharging

- Consider placing batteries in a fireproof bag
- Ensure that the charger and charger settings are correct
- Surface is heat-resistant, nonflammable, and nonconductive (ideally on a surface like ceramic, concrete, or glass)
- Remove all flammable materials within 10 feet (no wood, carpet, or chemicals)
- Remove all sharp objects that might puncture the battery
- Ambient temperature between 15°C and 35°C (60°F-95°F)
- Do not overcharge or over-discharge the battery

Storage

- Remove the battery from the device before storing
- Charge or discharge the battery to 3.8V (use the charger set on "storage mode" or use a voltmeter to check the V)
- Protect cell terminals with insulating material (e.g. plastic, electrical tape)
- Place the battery in a fireproof bag/container
- Have a "Li-ion battery ONLY" storage area
- Room temperature and no heat sources within 10 feet
- Dry and well-ventilated area
- Remove all flammable materials (no wood, carpet, or chemicals)
- Have an ABC or water fire extinguisher nearby, and know its location

Disposal

- Discharge the cell/battery to 0V (Use charger on "discharge mode" or put the battery in a 3% salt water sol.)
- Inspect the battery for damage or leak
- Tape or enclose the battery terminals
- Contact Rowan University EHS for disposal
- If the battery is damaged, contact the EHS Office and notify them of the damage immediately

For questions, contact Rowan University Environmental Health and Safety (EHS) at 856-256-5105

For emergencies, dial 9-1-1 or call Rowan University Police at 856-256-4911