

Li-ion/LiPo CHECKLIST

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 them and discard immediately
- 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 non conductive (Best ceramic, concrete, glass...)
- Remove all flammable materials (NO wood, carpet, or gasoline containers - YES ceramic or concrete surface)
- 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 fire proof bag/container
- Have a "Li-ion battery ONLY" storage area
- Room temperature and NO heat sources
- Dry and well ventilated area
- Remove all flammable materials (NO wood, carpet, gasoline YES ceramic or concrete surface)
- 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 battery for damage or leak
- Tape or enclose the battery terminals
- Recycle at the MIT facilities that accept Li-ion batteries
- If the battery is damaged contact EHS Office



For emergencies dial 100 from any MIT phone or call MIT Police at 617-253-1212