Lithium Polymer (Li-Po) Battery Safety and Horror Sheet

The following link summarizes all the important things about lithium polymer batteries. Please have a look here: https://hobbyking.com/en_us/news/lipo-safety-101

You can watch the following videos to inform yourself about the possible consequences when…

- …you stab the battery: https://www.youtube.com/watch?v=iNYlQ3Kyz_g&t=2m
- …you short the terminals: https://www.youtube.com/watch?v=FfmrqWdm-mw&t=3m
- …you overheat the battery: https://www.youtube.com/watch?v=apk71b6ruVk&t=2m
- …you overcharge the battery: https://www.youtube.com/watch?v=FS5wqiMX8Pw&t=4m20s

Battery Longevity

Just like any human being, lithium polymer batteries have needs. If these needs aren't satisfied, lithium polymer batteries rather die. So please make sure that…

- …cell voltages never go below 3.4 Volts. The tiny-brain module (powered by an Arduino Micro) will help you with that.
- …cell voltages never go above 4.2 Volts. Supplied chargers will handle that. DO NOT USE CHARGERS THAT AREN'T FOR LI-PO! (see the relevant video above)
- …you don't draw too much power. The provided circuitry should handle that. DO NOT BYPASS THE SAFETY FUSE! It is there to limit current flow, and protect you in case of short circuit.