Identifying a DDR Lithium-ion Battery

These batteries are all examples of damaged batteries that must be handled carefully and require special packaging per the US DOT regulations.

- Cells are bloated and breaching the plastic cases of these laptop batteries.
- Swollen cell phone battery
- Normal cell phone battery

The Danger of DDR Lithium-ion Batteries

A short-circuit, internal, or external damage can cause the vapor pressure of the electrolyte inside the battery to rise until the battery bursts, usually violently. This is called thermal runaway and is difficult to stop once initiated, meaning the battery will explode and catch on fire. These fires can reach temperatures of 900°C or 1600°F.

Required Packaging for DDR Lithium-ion Batteries

These batteries must be packaged individually using a special kit for safe storage and transport per the US DOT 49 § 173.185(f) regulations. It is advisable to package and ship immediately, as they are a fire hazard.

The kits come in multiple sizes, to order and to learn more, visit: www.batterysolutions.com/store