Learn more about the various safety mechanisms that go into properly manufactured and certified lithium-ion cells and batteries ??? helping to prevent hazards while keeping you and your devices safe ???

Hazards. Lithium batteries are generally safe and unlikely to fail, but only so long as there are no defects and the batteries are not damaged. When lithium batteries fail to operate safely or are damaged, they may present a fire and/or explosion hazard.

However, there are risks associated with lithium-ion batteries, and firefighters must be aware of the challenges they present and the measures needed to mitigate these dangers when tackling incidents involving these devices.

ARE LITHIUM BATTERIES SAFE

All types of batteries can be hazardous and can pose a safety risk. The difference with lithium-ion batteries available on the market today is that they typically contain a liquid electrolyte solution with lithium salts dissolved into a solvent, like ethylene carbonate, to ???

There are two types of lithium batteries that U.S. consumers use and need to manage at the end of their useful life: single-use, non-rechargeable lithi-um metal batteries and re-chargeable lithium-poly-mer cells (Li-ion, Li-ion cells).

So, are lithium batteries safe? The advancements in lithium battery technology have made them safer than ever and have introduced many other benefits as well. Safety, cost, weight, and efficiency are all critical factors in deciding what type of battery to use in your RV.

ARE LITHIUM BATTERIES SAFE

Recognize that safety is never absolute. Holistic approach through "four pillars" concept. Safety maxim: "Do everything possible to eliminate a safety event, and then assume it will happen". Properly designed Li-ion batteries can be operated confidently with a high degree of safety.