Joel Willard



Benefits of "new technology" batteries:

Lighter-Smaller-"More power per pound"

They hold a charge for extended periods

Long lasting

Uses:

Smartphones, laptops, power tools, wearables, back-up systems, toys (drones) etc.....



Cons:

They require care and "feeding".

They have to be charged with the charge rate monitored and adjusted.

Charge controllers can fail.

Regular fire extinguishers are not effective.

They <u>must be used</u> within specific parameters



Batteries should be stored in a dry area in closed containers or on pallets.

Dry Cell Batteries may be stored in poly-pails or 55-gallon steel drums. Lithium batteries MUST be stored in separate containers.

Dry Cell Batteries 9 volts and UNDER do not need to have the terminals taped and can be combined in the same container

Dry Cell Batteries OVER 9 volts MUST have terminals taped and put in a container containing only taped batteries over 9 volts

Lithium Batteries must have terminals taped and stored in a container with ONLY Lithium Batteries

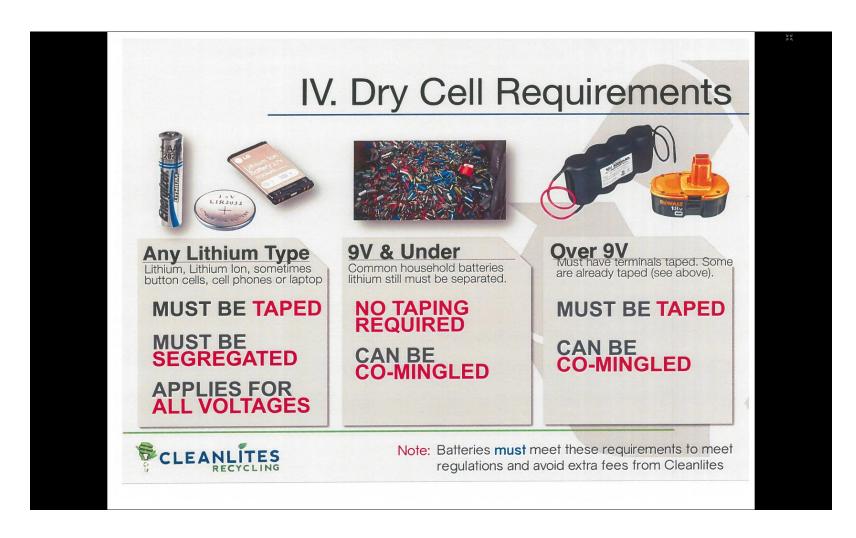
Wet cell batteries should be stored on skids with a layer of cardboard between each skid and a maximum of 3 layers. The layers should be shrink-wrapped to the pallet.

Batteries should be labeled with labels, indicated the type and date accumulated "Used Batteries".











Lithium Battery V/S Lithium (ion) Battery

Lithium Battery

- Lithium Batteries
- Free Lithium metals
- Combustible and Explosive
- Very good Power source
- Not Rechargeable
- Contain Large Amounts of Energy

Lithium (ion) Battery

- Lithium Ion Batteries
- No Free Lithium metals
- Lithium Ions & Highly Flammable Electrolytes
- Contain Large Amounts of Energy
- Rechargeable





































Lithium & Lithium lon Batteries

- This unit has worked great for me.
- I have learned the importance of following guidelines and take precautions as listed in the manual. (now)
- "Caution: Cranking the engine in excess of 4 times can cause the jump starter to become very warm and possibly damage the jump starter/charger. Please handle with care and follow all safety warnings."

























Questions?



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