

Top 12

Faraday Cage and Items to Store

Protecting from a solar storm or EMP

A Faraday Cage or container can be easily made from a metal trash can that has a tight-fitting lid and has seams and openings sealed with aluminum foil tape (*HVAC tape*). The inside should be lined with cardboard or any another nonconductive material so that electronics do not come into contact with the metal container. EMP Bags, that come in various sizes, can also provide additional protection for items in Faraday Case.

Items to Purchase:

1. Metal trash can with tight-fitting lid (*20, 30 or 40 gallon*)
2. Aluminum foil tape (*HVAC tape*)
3. Large roll of heavy-duty aluminum foil (*to wrap individual items*)
4. Emergency Radio (*if in box, wrap box in heavy aluminum foil*)
5. Two-way radios (*place each radio in a sock and wrap in heavy aluminum foil*)
6. LED flashlights, at least 700 lumens (*place in sock and heavy aluminum foil*)
7. LED headlamp (*place in sock and wrap in heavy aluminum foil*)
8. LED Lantern with batteries, at least 500 lumens (*1000+ lumens best*)
9. LED Light bulbs, 100w, 60w, 40w (*four each*)
10. Cell phone and charger (*place in sock and wrap in heavy aluminum foil*)
11. Laptop or tablet with charger (*can be placed in faraday bag or cage*)
12. External hard drive with backup files (*place in sock and heavy aluminum foil*)

Building a large faraday case:

- a. Purchase an all-metal trash can that has a tight-fitting lid
- b. Tape all openings in trash can with aluminum foil tape (*lid and side handles*)
- c. Line inside of can with a non-conductive lining (*cardboard, heavy fabric, 3 to 10 mill plastic contractor type bags, etc.*) so as to prevent contents of case to touching side or lid of can.
- d. Place items in cage and seal lid