

A. Battery Inventory

1. Each LIFEPAK® 12 will be supplied with five Ni-Cad batteries.
2. Each LIFEPAK® 15 will be supplied with four Lithium-Ion batteries.

B. Battery Status Indicators

LIFEPAK® 15

- a) **Active Battery:** Battery status indicators display up to four green bars. Each green bar represents 25 % remaining charge.
- b) **Low Battery:** A yellow bar indicates a 5% to 10% remaining charge .
- c) **Very Low Battery:** One Red flashing bar indicates 0 to 5% remaining charge. If both batteries show red bars, the **REPLACE BATTERY** voice prompt occurs.
- d) **Unrecognized Battery:** Battery communication failed. May power up the defibrillator but the level of charge is unknown and low battery messages and prompts will not occur.
- e) **No battery installed or fault detected:** When battery well shows grey no battery was installed or a fault was detected and the device will not use the battery.

C. Battery Maintenance

LIFEPAK® 12

1. Rotate all batteries in active use so that they are used with equal frequency.
2. Condition batteries every three months.
3. Perform shelf life tests every six months.

LIFEPAK® 15

1. Lithium –ion batteries are low maintenance and require no scheduled cycling to prolong battery life.
2. When storing the LIFEPAK® 15 monitor/defibrillator for an extended period of time, the battery should be removed from the device.

D. Battery Storage

1. Do NOT store batteries on a metal shelf.
2. Keep batteries and charging unit in a cool, well ventilated area at temperatures between 68° to 77° F.

NOTE: Batteries will self-discharge during storage

E. Battery Replacement

Replace LIFEPAK® Batteries if:

1. The LIFEPAK® 12 Ni-Cad battery is over two years old or the LIFEPAK® 15 Lithium-ion battery is over three years old.
 - a) This may be determined by looking at the 4-digit number imprinted on the back of each battery. The first two numbers represents the year and the 2nd two numbers represent the week. For example, “1110” is a battery that is from 2011 during the 10th week.
2. There is physical damage to the battery case i.e. cracks or a broken clip.
3. The battery is leaking.
4. If the charger displays “DISCARD”.
5. If no lights are seen after a full charge on the NiCad battery.
6. The battery charger indicates **Discard** (LP12) or **fault** (LP15).
7. The battery fuel gauge indicates two or fewer LEDs (bars) after the battery completes a charge cycle.
8. The battery fuel gauge shows two **flashing** LED lights

NOTE: Replacement batteries can be obtained by contacting EMS R&D and submitting an EMS service request.