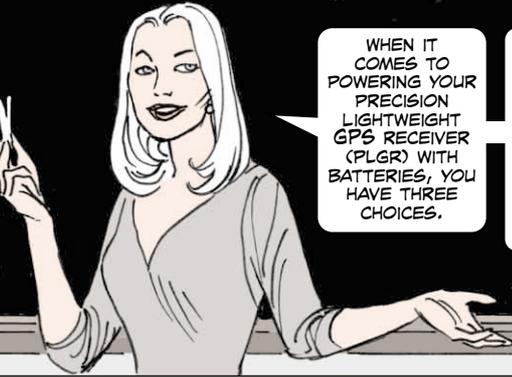


# BATTERY COST AND CONVENIENCE

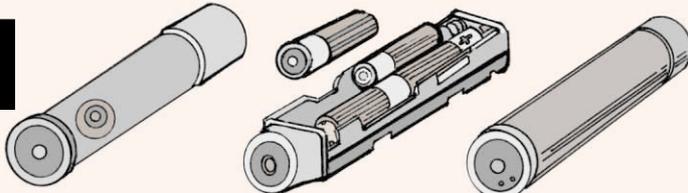
COST  
+ LOCATION  
+ TIME  
-----  
1, 2 OR 3

WHEN IT COMES TO POWERING YOUR PRECISION LIGHTWEIGHT GPS RECEIVER (PLGR) WITH BATTERIES, YOU HAVE THREE CHOICES.

BY FIGURING THE COST, WHERE YOU'LL BE USING THE PLGR AND HOW MUCH TIME YOU'LL NEED BATTERY POWER, YOU CAN DECIDE WHICH METHOD IS BEST FOR YOU.



The three options



BA-5800/U Lithium

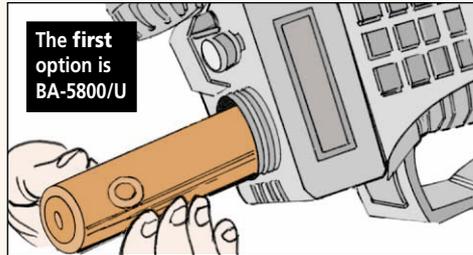
BA-3058/U in holder

Nickel Cadmium

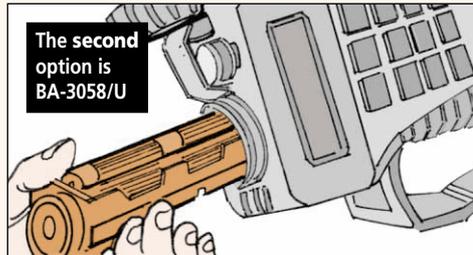
\* Your **first** option is the BA-5800, NSN 6135-01-440-7774. It comes in a pack of eight batteries and costs almost \$160, or about \$20 per battery.

The BA-5800 provides the best operating duration and temperature range and is convenient to use, but does require disposal as hazardous waste. It also is under great demand, which means your resupply may take longer than you would like.

\* A **second** option is using eight AA batteries in a battery holder. You can order a package of 24 AA alkaline batteries with NSN 6160-01-385-4358. The pack costs a little more than \$5. The batteries are not hazardous waste so they can be tossed when drained.

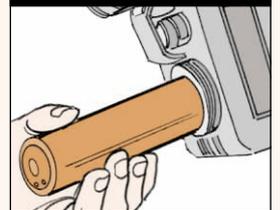


The first option is BA-5800/U



The second option is BA-3058/U

The third option is a Ni-cad



You can also use rechargeable NiMH AA batteries. Order them with NSN 6140-00-449-6001, at about \$30.

To hold the batteries, you'll need battery tray, NSN 6160-01-385-4358. It costs about \$12.50.

Either type of AA batteries lasts about a third of the time a BA-5800 lasts. That means you'll change out the AAs and the battery tray three times more than you'll replace the BA-5800.

If you use this method, we recommend you have three trays packed with eight batteries ready for each PLGR. Initially, the trays and one pack of batteries will cost about \$42.50, but you won't have to buy the trays again.

In the long run, it will be much cheaper than buying BA-5800s, but you will have the inconvenience of carrying a lot of AAs, loading the battery trays, and removing and replacing them.

\* A **final** option is using a Ni-cad rechargeable battery, NSN 6140-01-400-2902. The battery costs about \$80 and will recharge itself if your PLGR is connected to external power, or you can remove the battery to recharge it. It can be recharged at least 200 times.

The rechargeable Ni-cad will cost more initially, but will save a great deal of money in the long run; however, rechargeables do not fit into every operational situation.

If you want to recharge the battery outside the PLGR, you'll need a custom battery charging stand that you must order directly from Rockwell-Collins at (800) 321-2223. They have stands for one, three and six batteries that will cost you from \$200 to \$600.

Unlike the BA-5800 that might explode, the rechargeable Ni-cad can be left in the PLGR when external power is used.

A new rechargeable battery and charger will soon be fielded for use in training, but is not yet in the supply system.