










**Keeping Your Radio On-the-Air**  
**EVCNB, John WQSK740/K7TY**  
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**Updates by Gary Dunn (4-6-2020)**

<b>Baofeng - Operating Without Power</b>	
<p><b>Standard YR battery</b></p> 	<p>This is the battery that comes with the Baofeng Radio. Its capacity is 1800mAH. It can last 1-2 days depending on how much you transmit. It is recharged via the desktop charger.</p>
<p><b>Extended High-Capacity Battery</b></p> 	<p>This is an optional, larger high-capacity battery. Its capacity is 3800mAH or roughly twice the standard battery. It will last 2-4 days depending on how much you transmit. It is recharged via the desktop charger OR via a special 12v adapter (below).</p>
<p><b>AA Battery Case</b></p> 	<p>If your standard or extended battery gives up the ghost, the Baofeng radio can use a AA Battery Case. It uses regular alkaline AA batteries. The capacity of AA batteries varies widely but should be roughly the same as the standard YR battery. Amazon link. \$7.50</p>
<b>Additional Battery Picture</b>	
	

<b>BTECH GMRS - Operating Without Power</b>	
	<p>This is the battery that comes with the BTECH GMRS Radio. Its capacity is 1800mAH. It will last 1-2 days depending on how much you transmit. It is recharged via the desktop charger.</p>
<p>High Capacity</p> 	<p>This is an optional, larger high-capacity battery. Its capacity is 3800mAH or roughly twice the standard battery. It will last 2-4 days depending on how much you transmit. It is recharged via the desktop charger OR via a special 12v adapter (below).</p>
<p>AAA Battery Case</p> 	<p>If your standard or extended battery gives up the ghost, your GMRS radio can use a AAA Battery Case. It uses regular alkaline AAA batteries. The capacity of AAA batteries varies widely but should be roughly the same as the standard battery delivered with your radio.</p>

<b>Keeping your batteries charged with solar</b>	
<p>Bioenno Power BPP-120 with Solar</p> 	<p>Goal Zero Sherpa 50 with panel</p> 
<p>Components of a Solar charging station include; Solar Panels, Battery, Charge Controller, Inverter, and Wiring. Shown above is a high-capacity battery with several output and input options that can be used. Both of these, Bioenno and Goal Zero packs have outputs for USB, 12v and 110vac. And can be charged from 110vac, 12v or solar. For your radio, you would use the regular desktop charger with the 110vac output.</p>	

### Running your radio from your vehicle's battery

#### Battery Eliminator



A Battery Eliminator let's you run your radio directly from your vehicle's battery. Plugs into the cig/accessory port. A vehicle battery will last a long time. The Eliminator replaces the standard battery and is available for both the Baofeng and BTECH GMRS Radios.

### Keeping your batteries charged with your vehicle

#### Desktop Charger with 12v-110v Inverter



To keep either the standard or extended battery charged you can always use the regular desktop charger and a 12v-to-110AC inverter. Some have both multiple 110v outlets and USB outlets. Not the most efficient solution but it works.

#### Extended Battery 12v Charger



If you have a high-capacity, extended battery, you can charge it from your vehicle battery with this adapter. (Note that this is only for charging the battery. You should not transmit when this is plugged in.)