



Thank you for purchasing the Xapper 3000. The Xapper 3000 is the world's best NiCd and NiMH voltage enhancing system. The Xapper 3000 is the result of thousands of hours of testing and research on nickel cadmium and nickel metal hydride batteries. **The Xapper 3000 is not a charger.** The **primary purpose** of the Xapper 3000 is to **increase** the average voltage during cells' discharge and **lower** the cells' internal resistance (impedance). The Xapper 3000 can be used on both new and used cells. An increase in voltage is **very noticeable** on the track, on the water, or in the air. An increase in voltage helps both "limited" (stock) and "unlimited" (modified) class racers achieve a higher top speed. The lower resistance gives your vehicle more "punch" and acceleration. Please keep in mind that because all cells are not created equal; each cell may react differently to the Xapper 3000 process. One of the added benefits to processing your cells with the Xapper 3000 is that cells' capacity is sometimes increased. This is especially true for used cells, which have been raced and are "flattening out".

Using your Xapper 3000 models

!!! Caution !!! High Voltage Warning – Do not touch copper contacts.

!!! Caution !!! Sparks may cause eye injury – Always use eye protection.

!!! Caution !!! On/Off Switch operates internal charging function and fan only – Xapp switch will operate.

1) You **must** read these instructions before using your Xapper 3000. By opening the factory sealed packaging on your Xapper 3000 you agree to use the Xapper 3000 **at your own risk** and not hold the makers, importers, distributors and retailers of the unit liable for any damages **to batteries or otherwise** from the use of the unit. Users of the Xapper 3000 must never hold the cell (while in the unit) at any time except while loading and unloading cells. **Operators of the machine must use safety glasses while using the machine.**

2) Your Xapper 3000 comes fully tested and is ready to be used after reading the instructions and removing all packaging. 220VAC models (#50006) will come without Mains Plug. The proper Mains Plug for your country must be installed prior to use. The wire with the color green will be the ground ("water").

3) Plug your Xapper 3000 into an A/C outlet and turn the on/off switch to the "on" position. The following should happen in the order indicated;

- a. **Internal cooling fan will come on (except model #50006)**
- b. **The green LED should light**

The green LED indicates that you are **ready** to load a cell or cells in the cell holder. Testing has shown that the Xapper 3000 will effectively Xapp more than one cell at a time. For cells smaller in case size than a sub-C (1/2 sub-C) you can Xapp up to three cells at a time. Cells that are sub-C size should be Xapped no more than two at a time. Adjust the negative side of the cell holder (side closest to the front of the unit) so that the cell/s will fit within the cell holder. **A snug fit is important and will help you avoid sparks and pitting of the copper contacts.**

****Note:** experienced Xapper operators will leave the two negative cell holder block adjustment screws loose and use their left hand to squeeze the cell holder together while operating the Xapp push button with their right hand. This will speed operation in a high volume production environment.

*****Always be aware of the red LED and never load cell/s in the cell holder if it is lit brightly!**