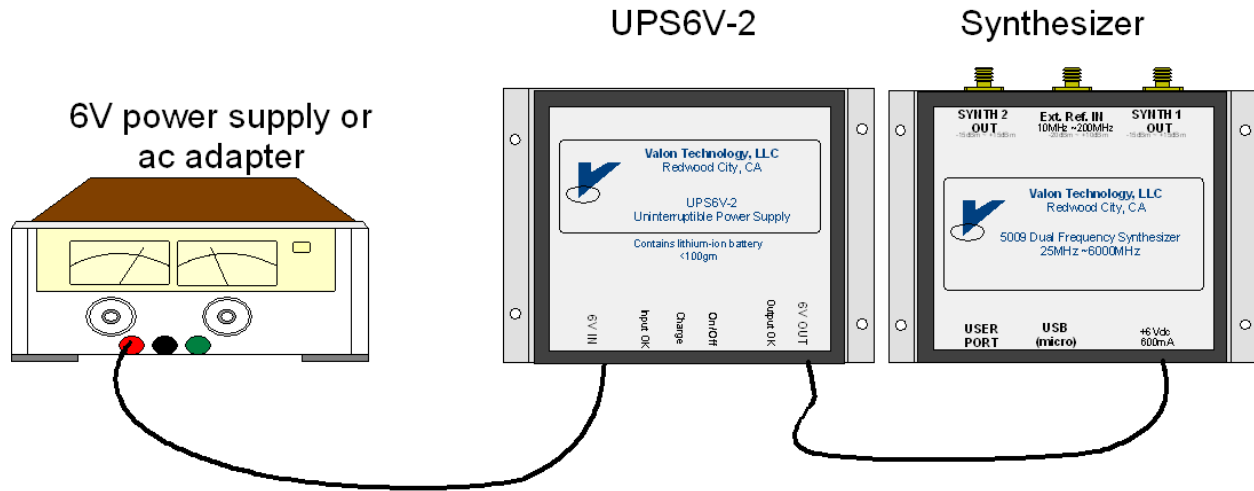


## Quick Start Guide - UPS6V-2 Battery Supply and Charger

The figure below illustrates a typical user setup.



**Figure 1 - Typical Setup**

Connect the UPS6V-2 to the 6V load (synthesizer typically) as shown in **Figure 1** using the supplied double ended Hirose cable. The 6V OUT from the UPS6V-2 should be connected to the +6Vdc input of the synthesizer as shown.

Then connect the pig-tail end of the supplied Hirose cable to the power supply or ac adapter. Note that 2.1mm x 5.5mm barrel power plug adapter is available from Valon for connecting ac adapters to the pig-tail end of the Hirose power cable. Plug this cable into the UPS6V-2 and apply power from the power supply or ac adapter.

*PS6V-1 Power Supply Kit <http://www.valontechnology.com/accessories.html>*

**Let the power supply charge the battery completely before first use.**

Note that both the RED, GREEN, and BLUE LED should be illuminated. The Red LED indicated the battery is being charged and should extinguish once the battery is fully charged and the charger has entered the final constant voltage mode.

Once the battery is fully charged, the power supply can be switched off or disconnected. To turn the boost converter on and apply power to the load, press the push-button switch once. The BLUE LED should illuminate indicating that boost converter is working and supplying output power from the battery.

The power source can be re-applied at any time and the UPS6V-2 will automatically shut down the boost converter and start charging the battery as indicated by the GREEN and RED LEDs. The boost converter will automatically restart if the power source is disconnected or turned off.

## Connectors, LEDs, and Switch

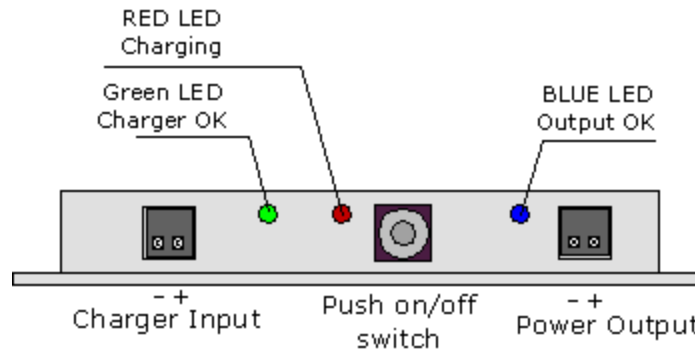


Figure 1 Connectors, LEDs, and push-button switch

- Charger input: Apply 6V dc to charge the battery and/or provide output power
- Green LED: Indicates proper input voltage is applied for charging. Note charging voltage can be lower than the required voltage for the certain 6V products.
- Red LED: On when battery is charging, off when the battery is fully charged.
- Push-button switch: Toggles the boost converter on and off.
- Blue LED: With no charger input, the blue LED will be on if the boost converter is cycled on with the push-button switch. With 6V input applied to the input connector, the blue LED will be on regardless of the last state of the boost converter.