



Power is knowledge.™

PowerCom®-USB User Manual

LifeSafety Power®

Monitor and Program the FlexPower® Power System via laptop USB connection



FLEXPOWER®



LifeSafety Power, Inc. | PH 888.577.2898 | TechSupport@LifeSafetyPower.com



Contents

PowerCom-USB Software and DataLink Cable Driver Installation	1
DataLink Cable	1
Using PowerCom-USB.	1
To Program Parameters on an FPO Power Supply.	2
To Monitor an Operating FPO Power Supply	3



PowerCom-USB Software and DataLink Cable Driver Installation

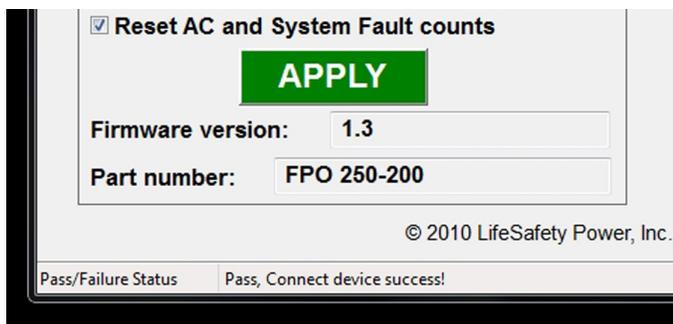
- Download the latest version of PowerCom-USB from www.lifesafetypower.com
- Extract the files from the downloaded ZIP file to the desktop. If you are using Windows XP or newer, you can open the ZIP file in Windows Explorer. Older versions of Windows will need third party extraction software such as WinRAR or WinZip to extract the files.
- Run “DriversForUSB-SPICable.exe” to install the USB driver for the DataLink Cable – follow the on-screen instructions.
- Run “PowerCom_Setup_x.xx.exe” to install the PowerCom software – Follow the on-screen instructions. (Note that in the filename “x.xx” will be replaced with the version number of PowerCom.)

DataLink Cable



- Remove the Datalink cable from the packaging.
- Locate the end of the cable that connects to the FPO power supply and connect to the DataLink connector on the FPO supply. The Datalink connector is marked “DL” and has 6 pins. The DataLink cable is keyed and will only connect one way. Do not connect the DataLink cable to the 4-pin connector on the FPO supply.
- Connect the other end of the DataLink cable to a USB Port on the computer. For best results, connect directly to the computer, not a USB hub.
- **NOTE:** An FPO Power supply, or any connected equipment, with earth ground detection enabled may indicate an Earth Ground Fault while connected to the computer. **This is normal.**

Using PowerCom-USB



- If not already done, connect the DataLink USB cable to the FPO power supply and USB port on your computer.
- Double click the PowerCom icon on the desktop or start menu to start PowerCom.
- The status bar at the bottom of the PowerCom window will say “**Pass, Connect Device Success**” and the Firmware version and Part number fields will be filled in if the FPO is detected. If not, ensure the DataLink cable is connected securely at both ends and click the “**Connect>Connect Device**” option in the menu bar at the top of the PowerCom window.

To Program Parameters on an FPO Power Supply

Once PowerCom-USB connects with the FPO power supply, various parameters can be programmed.

After entering the parameters, click the “**Apply**” button (Fig. 1) to transfer parameters to the FPO power supply. A confirmation pop up screen (Fig. 2) summarizes programmable settings, click “**OK**” button to complete programming set up.

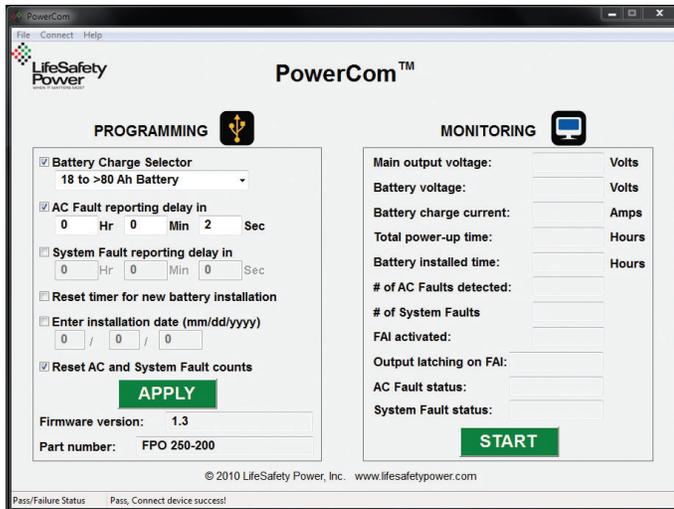


Figure 1.

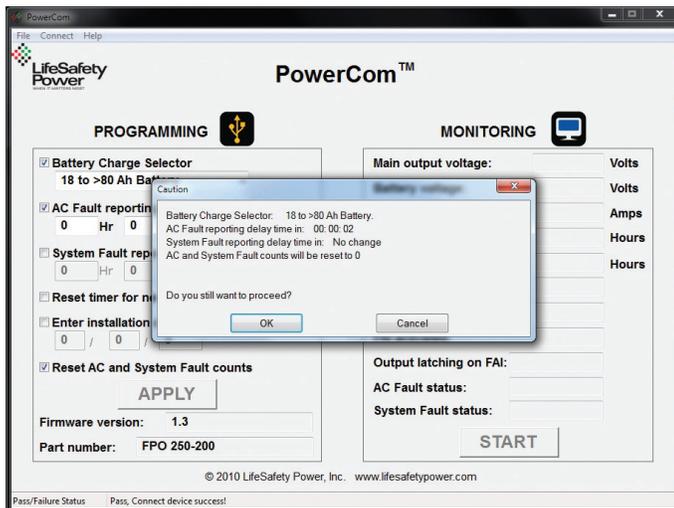


Figure 2.

The following parameters can be programmed:

Battery Charge Selector

This allows for the reduction of the maximum battery charging current. Smaller battery sets will have a reduced life if charged at an excessive current level. Typically, a battery should be charged at no more than $\frac{1}{4}$ of the AH rating – for example, a 4AH battery should not be charged at more than 1A ($\frac{1}{4}$ of 4 is 1A). Keep in mind that as battery charge current is reduced, charge time increases. Charge time will be slightly more than AH/Charging current.

Select the appropriate battery range from the drop-down list.

AC Fault Reporting Delay

This allows setting a delay for reporting of an AC fault condition. This delay affects both the fault LED and relay. Check your local codes regarding fault delays.

System Fault Reporting Delay

This allows setting a delay for System Faults. This setting should be used with caution, as intermittent faults may be masked by a fault delay. System Fault delays should typically be kept to 5 seconds or less to prevent critical faults from being masked. This delay affects both the fault LED and relay. Check your local codes regarding fault delays.

Reset Timer for New Battery Installation

This allows for resetting of the battery life counter when a new battery set is installed. Check local codes for battery replacement intervals.

Enter installation Date

This allows setting of the installation date of the power supply for future reference when servicing.

Reset AC and System Fault Counts

This resets the # of AC Faults Detected and # of System Faults Detected. This is typically done after testing or servicing the system.



To Monitor an Operating FPO Power Supply

PowerCom-USB allows real-time monitoring of an FPO power supply after installation. To begin monitoring, click the green “START” button in the bottom right corner of the PowerCom window (Fig. 3).

Once monitoring begins it can be stopped by clicking the red “STOP” button in the bottom right corner of the PowerCom window (Fig. 4).

The following parameters can be monitored:

Main Output Voltage

The output voltage as seen at the DC1 output. This voltage does not take into account voltage drop in the field wiring.

Battery Voltage

The voltage at the battery connection at the FPO power supply

Battery Charge Current

The measured current being put into the battery set

Total Power-up Time

This is the total cumulative number of hours that the FPO power supply has been powered since being manufactured

Battery Installed Time

This is the total cumulative number of hours since the battery counter was last reset. This field will normally be green if a battery is connected. This field will turn yellow as the battery approaches its replacement time and will turn red when it is due for replacement.

of AC Faults Detected

This is the total number of AC faults detected since the counter was last reset. This counter is useful for troubleshooting intermittent AC loss problems.

of System Faults Detected

This is the total number of System Faults Detected since the counter was last reset. This counter is useful for troubleshooting intermittent system faults.

FAI Activated

Shows the status of the FAI input

Output Latching on FAI

Shows whether the FAI input is wired for a latching input

AC Fault Status

Shows the current AC fault status

System Fault Status

Shows the current System Fault status

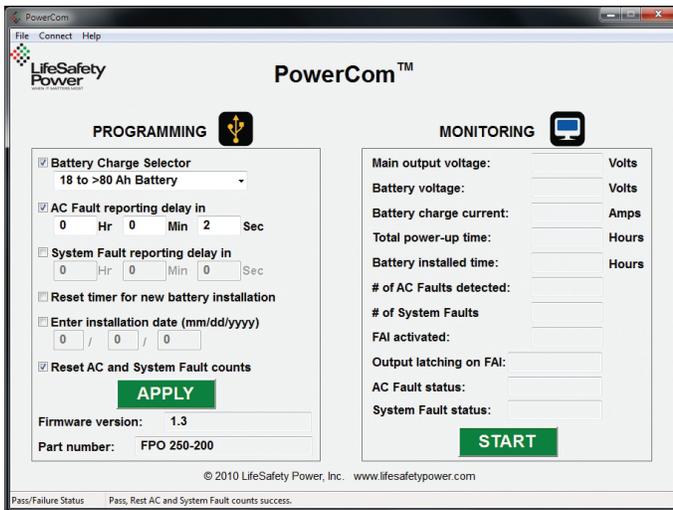


Figure 3.

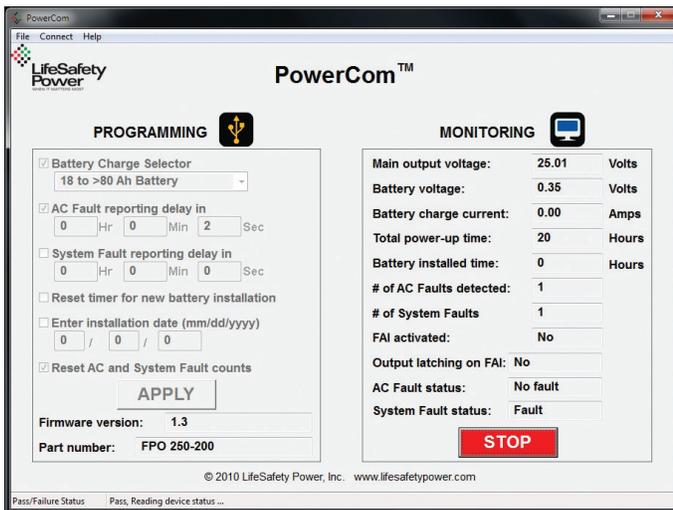


Figure 4.

LifeSafety Power Inc.
899 E. Park Avenue
Libertyville, IL 60048 USA
www.lifesafetypower.com
Phone (888) 577-2898
info1@lifesafetypower.com

IMPORTANT

All information, including illustrations, is believed to be reliable. Users, however, should independently evaluate the suitability of each product for their particular application. LifeSafety Power makes no warranties as to the accuracy or completeness of the information, and disclaims any liability regarding its use. LifeSafety Power's only obligations are those in the LifeSafety Power Standard Terms and Conditions of Sale for this product, and in no case will LifeSafety Power or its distributors be liable for any incidental, indirect, or consequential damages arising from the sale, resale, use, or misuse of the product. Specifications are subject to change without notice. In addition, LifeSafety Power reserves the right to make changes—without notification to Buyer—to processing or materials that do not affect compliance with any applicable specification.