

Version V4.81

Feature Overview:

- 32 bit, 48MHz MCU controlled operation
- Adaptive charging
- Current sensing
- Can be switched off via RC system
- Output for external Alarm*



Operation Range:

- Backup Battery for electric Helicopters for safe emergency landing
- Buffer surge currents on high power model airplanes and helicopters
- Effective buffering of servo reverse current
- Automatic setup**

Maximum Ratings:

- Maximum Voltage (INPUT) 10V
- Maximum buffer Voltage (OUTPUT at full charge) 8.5V
- Surge current 25 Amp

CONNECTIONS, LEDs and BUTTON:

AUX:	3-pin solder port for auxiliary connections*
BUTTON:	shutdown system after use
FULL:	(green) indicates full charge
60%:	(green) indicates 60%-80% charge
20%:	(yellow) indicates charging active (blinking) or 20%-60% charge (solid)
PWR:	(red) indicates system standby (solid) or setup (blinking after startup) or buffer active (blinking during normal operation)



OPERATION:

- 1) Connection: Install buffer to a free port on your FBL or Receiver (if switching off via the RC system is desired, you must use a switchable channel)
- 2) Power on your Model
- 3) The buffer unit detects operating voltage automatically 5.6 – 10V.
(red LED is flashing)
- 4) Charging will start when setup is complete (yellow LED is flashing)
- 5) Green LEDs indicate charge state.
- 6) When charging is complete, yellow LED is constantly on
- 7) When system is supplying current (buffering surges, servo reverse current or emergency supply) red LED is flashing
- 8) After flight, first power down model
- 9) Turn off the buffer.
* by pressing the button on the buffer
or
* by switching the RC channel +/- 100

* option in future software releases

** all parameters set automatically except cut-off voltage which is preset for 3.4 Volt. If your system requires a different cut-off voltage, please contact support