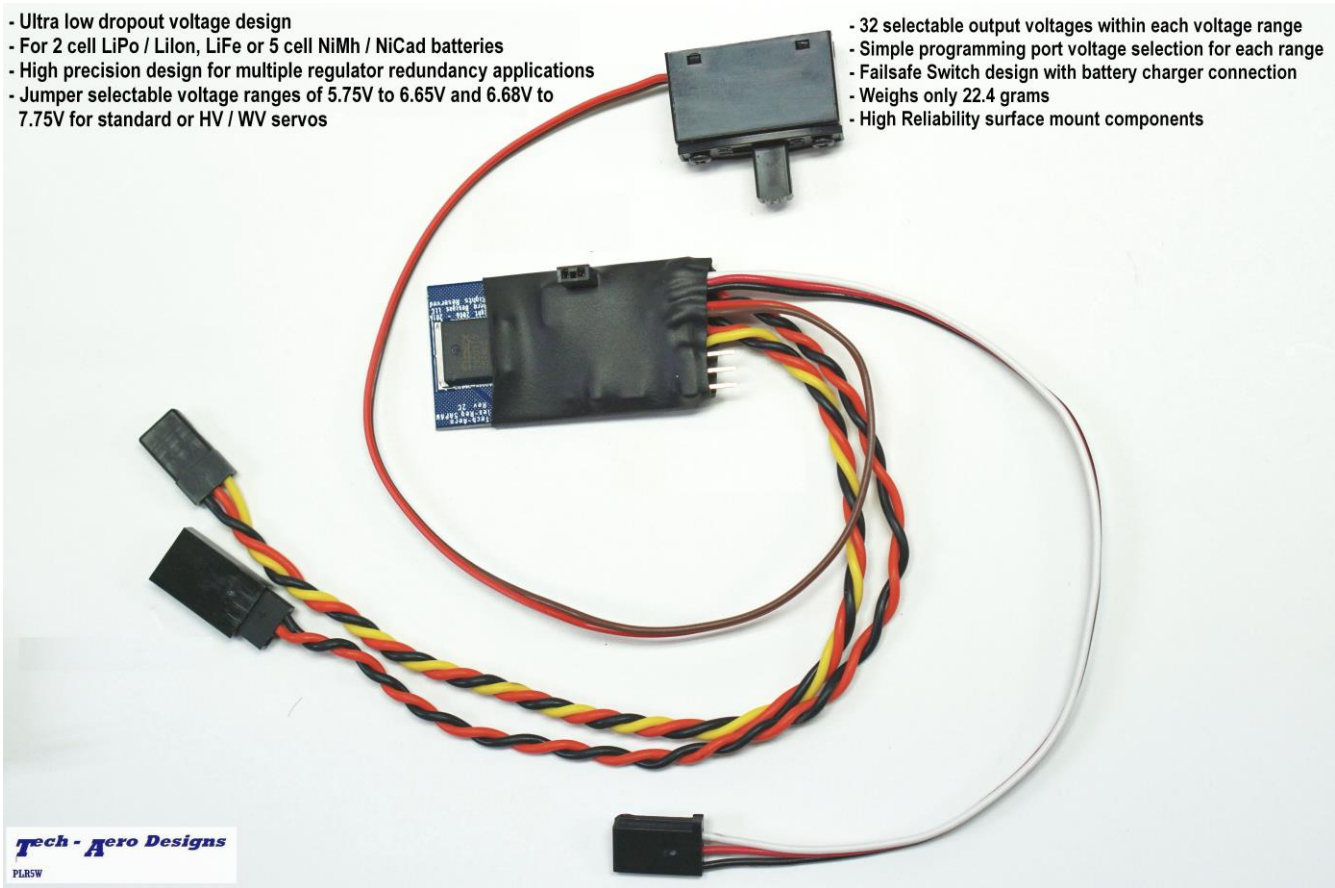


“FlexReg” 5 Amp, Wide Voltage Programmable Precision Failsafe Switch Regulator

- Ultra low dropout voltage design
- For 2 cell LiPo / Lilon, LiFe or 5 cell NiMH / NiCad batteries
- High precision design for multiple regulator redundancy applications
- Jumper selectable voltage ranges of 5.75V to 6.65V and 6.68V to 7.75V for standard or HV / WV servos

- 32 selectable output voltages within each voltage range
- Simple programming port voltage selection for each range
- Failsafe Switch design with battery charger connection
- Weighs only 22.4 grams
- High Reliability surface mount components



The Tech-Aero PLR5W is a 5A, programmable output voltage regulator. It is factory set to 6.2V, but also provides up/down programmable output of 32 voltage settings within two jumper selectable voltage ranges, supporting standard, High Voltage (HV) and Wide Voltage (WV) servo voltage requirements. It can be used as a standalone regulator, or configured with additional FlexReg devices. Its high precision design delivers supports redundant regulator configurations to balance the current draw among multiple battery packs.

The advanced regulator design protects against voltage spikes and reverse current flow, making this the ideal regulator system for redundant power applications that may also include a “hot standby” backup for ESC BECs in electric powered models, preventing a catastrophic loss of power to the receiver and servos in the event that the ESC motor battery fails in some way.

The ultra-low dropout voltage design assures continuous operation even if servo load conditions cause the battery voltage to dip below the programmed output voltage, providing the best possible safety margin. Its failsafe switch design guards against loss of power due to switch failures.