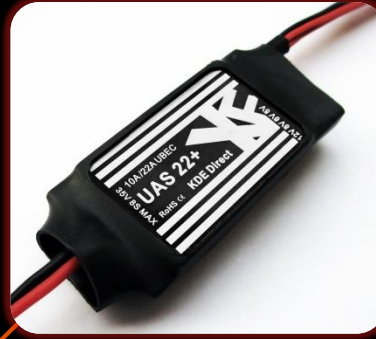
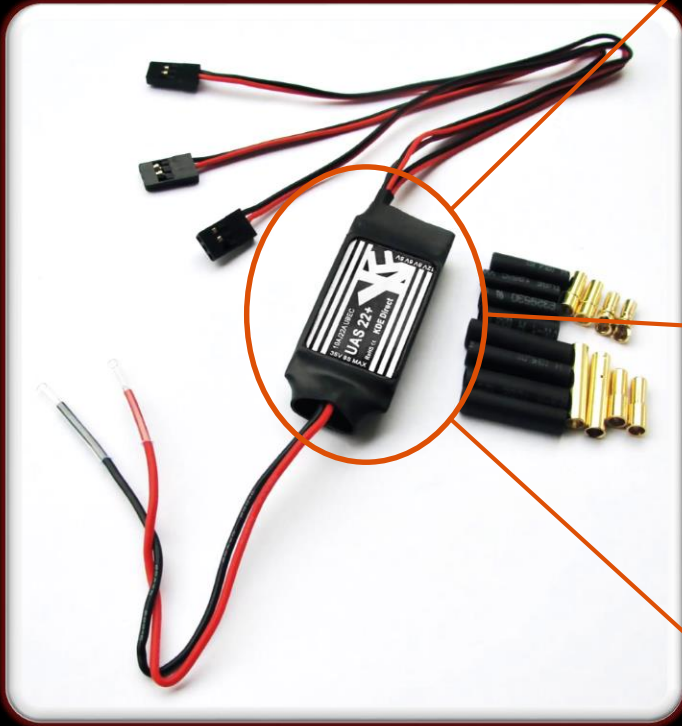


KDE DIRECT UAS UNIVERSAL BATTERY ELIMINATOR CIRCUIT SERIES TECHNOLOGY REVIEW

INDUSTRY-LEADING PERFORMANCE

The KDE Direct UAS Universal Battery Eliminator Circuit (UBEC) Series provide interference-free, voltage-regulated power for critical flight electronics and peripheral equipment (including 12.0V aerial photography and high-end UAS equipment). Designed to eliminate the need for an external battery pack, the UBEC allows for simple adjustment of the voltage output for direct compatibility to a wide-range of DC power applications.



INDUSTRIAL-QUALITY COMPONENTS

All UAS Universal Battery Eliminator Circuits are digitally-controlled for clean, extremely-low RF power to the peripheral electronics. Three (3) power-output leads (22 AWG) are provided as standard; preventing the need for any additional wire-harnesses when using high-powered electronics up to 10A continuous and 22A+ peak currents, even when pushed to the hardest of conditions (full 12.0V output).

The series is designed for operation of multiple electronics and other high-power systems; commonly needed when linear BECs are not capable of handling the power requirements (such as those included in many off-brand ESCs) and when using high-grade, OPTO-isolated ESCs. The UBEC is the perfect compliment to the KDE Direct UAS Electronic Speed Controller (ESC) Series (sold-separately).



VOLTAGE-REGULATION SELECTION

The UBEC allows for simple selection of four voltage ranges: (1) 5.0V, (2) 6.0V, (3) 8.0V, and (4) 12.0V – providing voltage-regulated and interference-free power for flight controllers, servos, and even cinema-grade aerial-photography applications. Simply relocate the included jumper to the desired voltage pins on the bench or at the field – no computer required.



EFFICIENT COOLING DESIGN

Dual-AL6061, CNC-machined heatsinks allow for efficient cooling and consistent power-delivery, even when running at maximum ratings. A vibration-damping, foam-composite backing is also included; allowing the UBECs to be installed into a wide-range of applications, without detrimental effects to the lifespan and performance of the electronics.