



Flameback

Flameback: Tech Specs	www.flamebacktech.com
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Version: Electronic Speed Controller 45A 3-6S	SKU: FB45A3-6S
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Parameter	Specifications
Configuration	1:1
Internal BEC	No
Voltage rating	3s - 6s LiPo (9.6 - 19.2V)
Current rating	Continuous: 45A Burst: 50A
Product Dimensions (incl. Input capacitor & heat shrinkwrap, excl. Power & signal wires)	45 x 27,5 x 10 mm
Weight	19.55g, incl. input capacitor & input power wires
Ambient Temperature	-20 - 75°C
Supported protocols (control signal from flight controller to ESC)	PWM, Oneshot125, Oneshot42, Multishot, DSHOT150, DSHOT300, DSHOT600 (auto-detected on startup)
Port for firmware upgrade / to change internal parameters	via FC Passthrough Via ESC Configurator
Configurations & adjustments	→ Startup Power → Temperature Protection → Low RPM Power Protection → Motor Direction → Demag Compensation → Motor Timing → Throttle Range Setting → Brake on Stop → Beep and Signal Volumes
Telemetry	No. Telemetry version available separately (SKU: FB45A3-6ST)

Other Features
Full NMOS for fast switching
Driving triple phases via dedicated Mosfet driver
Low ESR Rubycon Capacitor (ESR of 0.15Ω) pre-attached on the power lines for noise-free operation
Better heat dissipation through bigger package Mosfets
Ultra-low resistance Mosfets (~1mΩ) to ensure efficiency and low heat gen
Modular Sandwiched PCB design for better heat dissipation and better repairability
Braking, acceleration & rotation directions can be controlled via FC