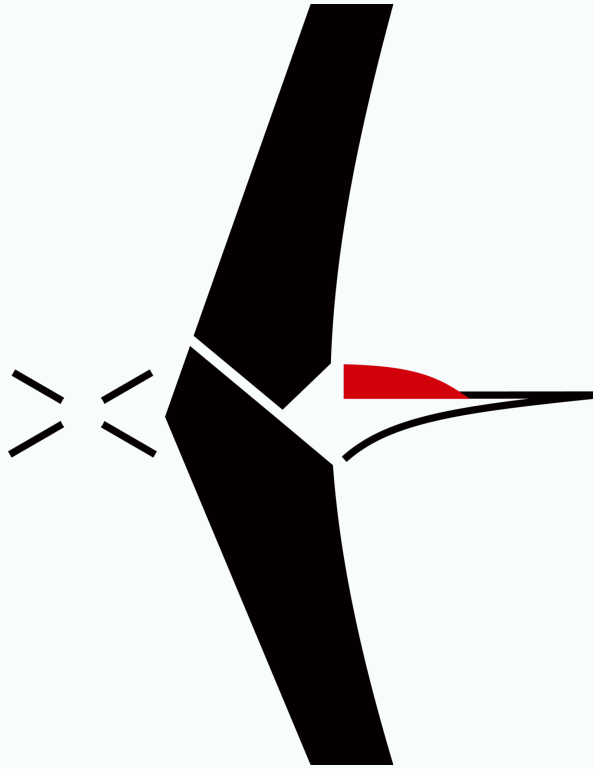




Flameback

Advanced Propulsion Systems

Electronic Speed Controller: 12S

Technical Specifications

Product Specifications

Parameter	Specification
ESC : Motor Configuration	1:1
Internal BEC	No
Voltage rating	6s - 12S LiPo (18 - 50.4V)
Current rating	Continuous: 60A Burst: 80A
Refresh Rate	621 Hz
Product Dimensions (incl. Input capacitor & heat shrinkwrap, excl. Power & signal wires)	L: <70 mm B: <35 mm T: <25 mm
Product Weight (excl cables, excl heatsink)	45 g
Ambient Temperature	-20 - 100°C
Supported protocols (control signal from flight controller to ESC)	PWM, Oneshot125, Oneshot42, Multishot, DSHOT150, DSHOT300, DSHOT600
Programming / firmware upgrade / change internal parameters	FC Passthrough via signal wires
Telemetry	Available
Environmental Robustness	IP57 target Resistant to water splashes and dust. Works in mild rain.
Compliance	RoHS pending Electrostatic discharge (ESD) sensitive device
Testing & QA	Visual inspection: IPC-A-600 class 2 Electrical test / flying probe test
Reports / documentation available	PCB inspection report RoHS compliance report Impedance control report
Wiring	Signal wire with female jumper connector Silicone power & motor wires (14 AWG)

Contact

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