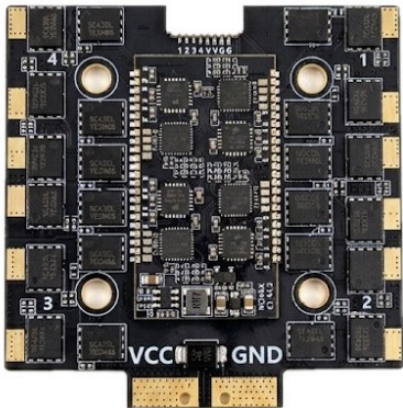
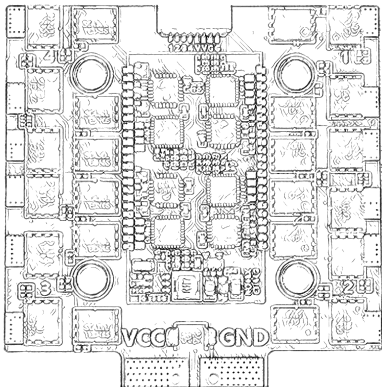


AE-8S 60A

User Guide



AE-8S 60A Overview



High-voltage 32-bit ESC rated for 8S LiPo at 60 A continuous. Shares the DShot / AM32 firmware stack with the 6S model on an enlarged 56 × 57 mm board for heat dissipation.

AE-8S 60A Specifications

• Basic Specifications

MCU	AT32F415KBU7 (128 KB Flash)
Mounting Hole	56 × 57 mm / Φ 4 mm
Weight	28 g
Voltage Range	4 – 8S LiPo (16.8 – 33.6 V)
Constant Current	60 A
Burst Current	70 A
BDSHOT	Supported
Current Sensor	Supported
BEC Output	None
Capacitor	1000 μ F / 63 V
PWM Frequency	24 / 48 / 96 kHz
Supported Protocols	DSHOT150 / 300 / 600, MultiShot, OneShot

AE-8S 60A Specifications

• Basic Specifications

Firmware	AM32, novaX ef 1.0
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AE-8S 60A Setup

1. **Mounting** — Mount with anti-vibration grommets and insulate the component side from carbon frames. Mounting: 56 × 57 mm / Φ 4 mm.
2. **Wiring** — Connect the battery +/– observing polarity, the motor wires to each output and the signal connector to the flight controller ESC port, following the pinout and board markings. Input: 4 – 8S LiPo (16.8 – 33.6 V).
3. **Protocol** — Select a supported protocol (DSHOT150/300/600, MultiShot, OneShot) on the flight controller.
4. **Spin check** — Without propellers, check motor order and direction; swap two motor wires or reverse it in the settings if needed.
5. **Firmware** — Update the AM32 application through the AM32 configurator's 4-way passthrough; flash the BootApp image over SWD on a blank board.

AE-8S 60A Firmware

• Available Firmware

Type	Version	Date
Bootloader (AT32F415 · SWD)	V16	2026-07-30
Application (AM32 · 4-way passthrough)	2.29	2026-07-30
Bootloader + App (merged HEX · SWD)	2.29 / V16	2026-07-30

Download files from the product page (QR).

AE-8S 60A Safety Notes

- Do not exceed the input voltage range — 4 – 8S LiPo (16.8 – 33.6 V).
- Do not exceed 60 A continuous / 70 A burst; provide cooling.
- Reverse battery polarity destroys the ESC instantly — check before connecting.
- Long battery leads raise voltage spikes; keep them short.
- Always remove propellers while wiring, configuring or updating firmware.



<Detailed Manual>

novaX