# RD V-Series 60A 12S ESC

## Trapezoidal




**Input Voltage**
4S to 12S LiPo

**Dimension**
94.80mm x 35mm x 15mm

**Optimized for**
high performance

**Continuous Current**
40A

**Weight**
100 g (incl. wire)

**Over current**
protection

## Product Description:

RD V-Series 60A 12S ESC is an advanced Electronic Speed Controller (ESC) designed for high-performance applications. **Made in India**, this model significantly enhances thermal and current handling capabilities.



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# Technical Specification

| S.No. | Parameter | Value | Remarks |
|---|---|---|---|
| 1. | Product name | RD V-Series 60A 12S ESC | |
| 2. | Voltage range | 4S (14.8V) - 12S (52.2V) | - |
| 3. | Commutation | Trapezoidal | |
| 4. | Maximum Peak Current | 60A (30 s) | Tested in 12 m/s continuous airflow and 32°C ambient Temperature |
| 5. | Maximum Peak Power | 3000 W (30 s) | Tested in 12 m/s continuous airflow and 32°C ambient Temperature |
| 6. | Maximum Continuous Current | 40A | Tested in 12 m/s continuous airflow and 32°C ambient Temperature |
| 7. | Maximum Continuous Power | 2000 W | Tested in 12 m/s continuous airflow and 32°C ambient Temperature |
| 8. | Weight | 100 gm (Incl. Wire) | |
| 9. | Dimension | 94.80mm x 35mm x 15mm | |
| 10. | BEC Output Voltage | No | - |
| 11. | Operating Ambient Temperature | (-20℃) ~(+ 65℃) | - |
| 12. | Standby current (24V) | ≤ 36mA * | - |
| 13. | Throttle Range | 1050us ~ 1950us | - |
| 14. | Recommended Throttle refresh frequency | 50 Hz to 450 Hz | - |
| 15. | Throttle I/P mode | PWM and D-Shot 300 | - |
| 16. | Over Temperature Protection | Yes | Limit at 100℃, Reduced to 50% throttle |
| 17. | Overcurrent Protection | Yes | - |
| 18. | Stuck Rotor Protection | Yes | - |
| 19. | Waterproof Rating | IP56 | - |
| 20. | Invert Motor Spin | Yes | Configured using RD GUI |
| 21. | Telemetry | Yes | With PWM and D-Shot |



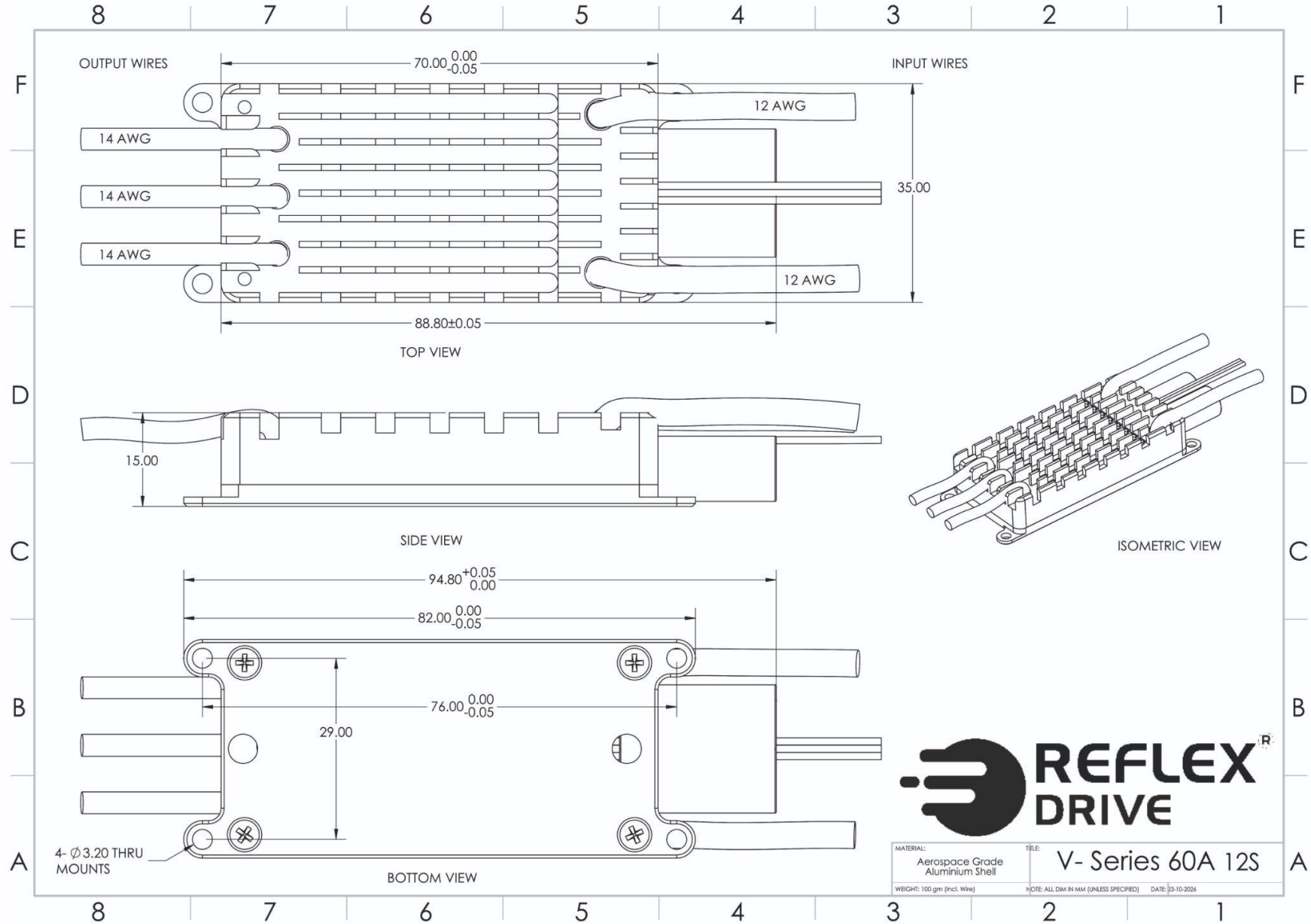
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# Wire and Enclosure Specification

| S.No. | Item | Wire colors / Size | Length | Remarks |
|---|---|---|---|---|
| 1 | Input cables | Silicone wires-red/black- **12 AWG** | 14cm | ±1cm |
| 2 | Output cables | Silicone wires-black(x3) - **14 AWG** | 14cm | ±1cm |
| 3 | Signal wires | Silicone wires - black , white(2P),red(1P) 3P-JR Connector | 16cm | ±1cm |
| 4 | Enclosure | Yes | | Aluminium Alloy |


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# Technical Drawing






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