

# ACS-25A Brushless Speed Control Specification

## ACS-25A

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| Nominal current                        | Maximum continues current 25Amp, peak 36Amp 10 second.<br>(with good cooling and outside temperature under 20°C) |
| Main IC Control                        | A/I Patent Custom IC (2056 DPI)  |
| Operating voltage:                     | Minimum 2 Lipo (7.4V) ~ Maximum 6 Lipo (22.2V)   |
| Quiescent current:                     | 1.4 [mA]   |
| Voltage BEC:                           | Programmer able 4.8 ~ 7.2V   |
| Current Max BEC:                       | 2.5 [A]  |
| Continuous BEC                         | 1.5 [A]  |
| Resistance in conducting state:        | 2 x 8 [mΩ]   |
| Dimensions:                            | 50 x 25 x 10 mm / 1.84 x 0.92 x 0.36 in.   |
| Weight:                                | 22g (w/ cable)   |
| Cable cross - section (input / output) | 1.5/1.0 mm <sup>2</sup>  |
| Cable Material                         | Silicon FT1 105°C at 320V  |
| Number of power transistors:           | 18 MOS-FET   |
| Input capacitance:                     | Double 220 μF  |
| Reversible                             | Programmable, but don't change two wires   |
| Break                                  | Programmable   |

- I. Smooth forward operation
- II. Battery Eliminator Circuit (BEC): eliminates receiver battery
- III. Extremely low resistance
- IV. 32KHz Upon Frequency operation
- V. P.O.R Power on reset
- VI. Easy user programmable features.
- VII. Audible arming signal
- VIII. microprocessor controlled
- IX. B.E.C: 5.0V / 3.0A
- X. Programmable low volt cut off for Li-Po
- XI. Safe start protection
- XII. Micro size allows for ease of installation
- XIII. Programmable motor rotation
- XIV. Second Finally warranting as A/I Design

