

ACS-40A Brushless Speed Control Specification

ACS-40A

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| Nominal current | Maximum continues current 40Amp, peak 48Amp 10 second. (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: | 5.0 [A] |
| Continuous BEC | 3.8 [A] |
| Resistance in conducting state: | 2 x 3 [mΩ] |
| Dimensions: | 50 x 25 x 10 mm / 1.84 x 0.92 x 0.36 in. |
| Weight: | 36g (w/ cable) |
| Cable cross - section (input / output) | 2.5/2.5 mm ² |
| Cable Material | Silicon FT1 105°C at 600V |
| Number of power transistors: | 24 MOS-FET |
| Input capacitance: | Double 330 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

