

ACS-10A Brushless Speed Control Specification

ACS-10A

Nominal current	Maximum continues current 10Amp, peak 12Amp 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:	2.5 [A]
Continuous BEC	1.5 [A]
Resistance in conducting state:	2 x 8 [mΩ]
Dimensions:	40 x 25 x 6 mm / 1.46 x 0.92 x 0.25 in.
Weight:	14g (w/ cable)
Cable cross - section (input / output)	0.5/0.5 mm ²
Cable Material	Silicon FT1 105°C at 320V
Number of power transistors:	6 MOS-FET
Input capacitance:	Single 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



Version: 1.0

Update: 2008/1/3